ADT Security System Owner’s Manual

Revision: 3.21

Table of contents

Scope of this Document

This version of the document focuses on the following products and their capabilities:

ADT Base

Door/Window Sensor

V4 Smoke Detector

Motion Sensor

Water and Temperature Sensor

Indoor Siren

Heat Detector

Carbon Monoxide Detector

Smoke and Supplemental Heat Detector

Smoke, CO, and Supplemental Heat Detector

Premium Door/Window Sensor

Keypad

Alarm Range Extender

Translator

Touchscreen

Glass Break Sensor

Keychain Remote

Any information shown regarding other products should be considered as preliminary at this time and should not be used for any verification or validation purposes.

ADT+ Application

The ADT+ App is available for installation on iOS devices and Android devices.

Life Safety Devices

The following Life/Safety devices are available for the ADT+ System:

Heat Detector

Carbon Monoxide Detector

Smoke and Supplemental Heat Detector

Smoke, CO, and Supplemental Heat Detector

Document History

Document Version	Contents	Date
1.00	V5 Base, Basic D/W Sensor	09/13/2022
2.00	V4 Smoke Detector	11/14/2022

	Motion Sensor Water & Temp Indoor Siren Heat Detector CO Detector Smoke/Heat Detector Smoke/CO/Heat Detector	
3.01	Premium Door/Window Sensor Keypad Updated Water & Temp Section	03/02/2023
3.02	Minor Corrections to Z-Wave Section wording	03/02/2023
3.03	Updates on Extender and Translator	03/08/2023
3.04	Additional Updates to Z-Wave Section	03/15/2023
3.05	Keypad: Remove all references to AA battery powered model as that is a future capability	03/17/2023
3.06	Clarified the statement regarding open air range of the sensors to the ADT Base.	03/27/2023
3.07	Keypad: added battery vendor and part number information	04/06/2023
3.08	Indoor Siren: added the Siren loudness information	04/12/2023
3.09	Updates made for: Alarm Range Extender Translator Touchscreen Key FOB Supplemental Heat The Maximum Components per System section was updated.	09/12/2023
3.10	Motion Sensor: recommended height of installation changed to 6.5 feet	11/29/2023

	Panasonic and Kinetik added to battery vendor list Changed “User Code” to “Security Code” to be more consistent with other related documentation. Glass Break Sensor: removed text related to air pressure sensor (previous design concept). Added maximum distance and wire gauge information for the Touchscreen. Clarified proper placement of the Life Safety devices specifically for garages, attics, and basements.	
3.11	Minor wording and format changes.	01/24/2024
3.12	Glass Break Sensor updates	02/13/2024
3.13	Glass Break Sensor updates: added in specifics for types of glass, minimum size, and thickness	02/22/2024
3.14	Added new Keyfob warning label information for changes needed to meet UL 4200	06/18/2024
3.15	Added new Z-Wave® command class information	01/23/2025
3.16	Update Z-Wave® logo	01/30/2025
3.17	Remove **Adding your ADT Base to another network**	02/20/2025
3.18	Changes to Z-Wave section	03/18/2025
3.19	Added mapping of Unspecified to Z-Wave to Partially Controlled Command Classes section	04/04/2025
3.20	Added V5.2 base	5/21/2025
3.21	Removed Registered symbol for Z-Wave Long Range	6/24/2025

1.0 Important Information

5017801 ETL Listed Household Residential Fire and Burglar Alarm Control System. Conforms to UL STD 985 and 1023.

Test weekly to ensure proper operation of this system.

WARNING: Do not connect any components to a receptacle controlled by a switch.

Wiring methods shall be in accordance with the National Electrical Code, ANSI/NFPA 70.

This system should be checked by a qualified technician at least every 3 years.

This equipment should be installed in accordance with chapter 29 of the National Fire Alarm Code ANSI/NFPA 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02669). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment.

2.0 Recommendations for Protecting Your Home

2.1. Smoke Detection

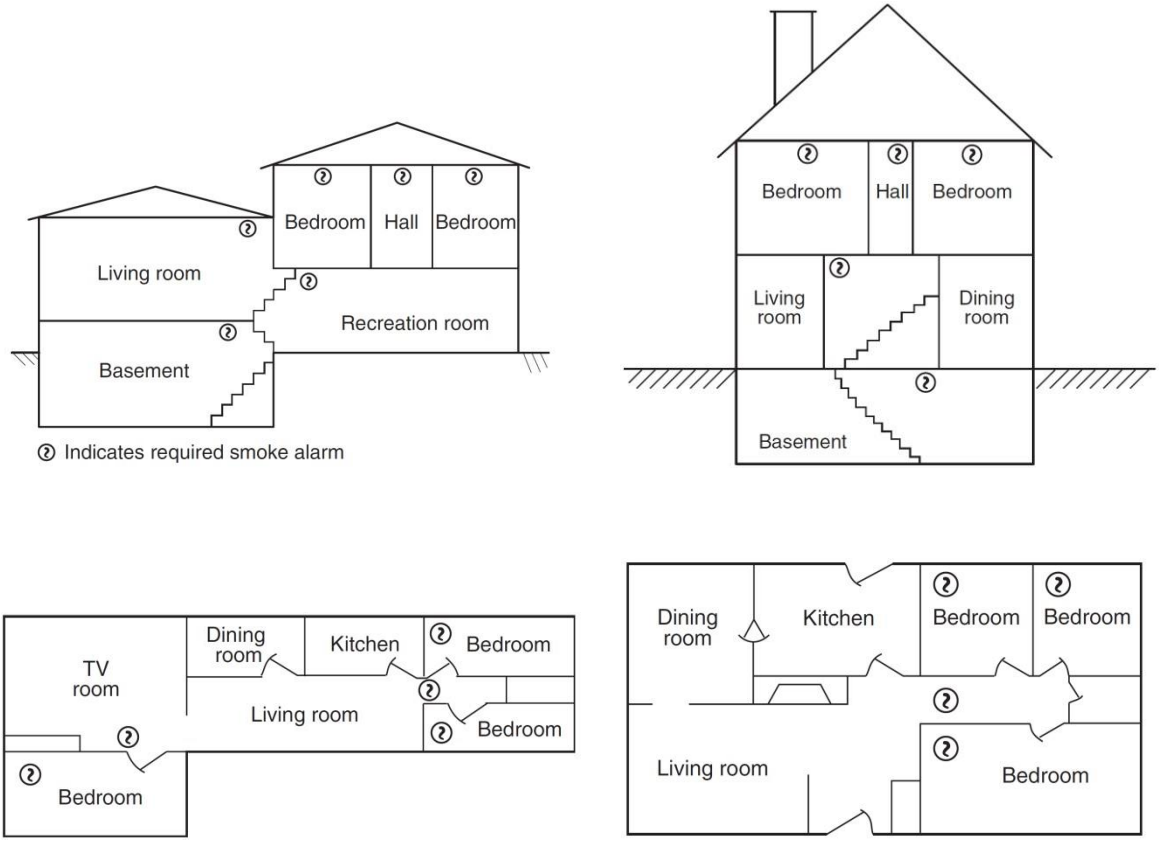
The National Fire Protection Association (NFPA) is the world's leading advocate of fire prevention and issues standards adopted by most municipal governments. NFPA standard 72 recommends the following:

Where to locate the required smoke alarms. The major threat from fire in a dwelling unit occurs at night when everyone is asleep. Persons in sleeping areas can be threatened by fires in the remainder of the unit; therefore, smoke alarms are best located in each bedroom and between the bedroom areas and the rest of the unit. In dwelling units with more than one-bedroom area or with bedrooms on more than one floor, more than one smoke alarm is required. In addition to smoke alarms outside of the sleeping areas and in each bedroom, NFPA 72 requires the installation of a smoke alarm on each additional level of the dwelling unit, including the basement. The living area smoke alarm should be installed in the living room or near the stairway to the upper level, or in both locations. The basement smoke alarm should be installed in close proximity to the stairway leading to the floor above. When installed on an open-joisted ceiling, the smoke alarm should be placed on the bottom of the joists. The smoke alarm should be positioned relative to the stairway to intercept smoke coming from a fire in the basement before the smoke enters the stairway.

Are more smoke alarms desirable? The required number of smoke alarms might not provide reliable early warning protection for those areas separated by a door from the areas protected by the required smoke alarms. For this reason, the use of additional smoke alarms for those areas for increased protection is recommended. The additional areas include the basement, bedrooms, dining room, furnace room, utility room, and hallways not protected by the required smoke alarms. The installation of smoke alarms in kitchens, attics (finished or unfinished), or garages is not normally recommended, because these locations occasionally experience conditions that can result in improper operation.

Additional locations. While not required by NFPA, it is recommended that smoke detectors be installed at each end of a hallway that is more than 40 feet long, and in the room where your ADT equipment is set up. A fire in the room with your ADT system could prevent the system from reporting the fire or an intrusion.

Please see the diagrams below for example home layouts and recommended smoke detector locations.



Source: NFPA 72

2.2. Security Detection

For best protection against intruders, security sensors should be located at all points where an intruder can potentially enter your home. This includes all first-floor doors and windows, as well as second-floor windows that might be easily reached from a lower roof, trellis, tree, or similar. Motion sensors should be used when it is not practical to use door/window sensors. Motion sensors should also be in hallways or other areas that an intruder would pass through to reach you or your valuables. In many municipalities, the police dispatchers require 2 sensors to trigger (or a visually verified intrusion) before they will dispatch police. A sensor on an opened door combined with motion detection satisfies this requirement.

In addition to cost and damage from theft, water can cause extensive damage to a home. Water detection sensors (ADT Water and Temperature Sensors) should be located near any point where water can leak and cause damage. This includes near a washing machine, hot water heater, under sinks, and near toilets.

ADT systems support two forms of off-premise communication, internet and cellular. It is recommended that you enable both forms of communications for redundancy. No network provider or ADT can always

guarantee 100% availability of any network connection; therefore, backup provides additional means for communications in the event of a fire. The off-premises transmission method has not been investigated to meet UL 2610.

3.0 Component List

Your ADT security system was designed for use with the ADT devices and approved third party devices below. Your ADT security system is not approved for use with any other devices. Use of any unapproved or unauthorized devices with your system may cause damage or compromise the performance of your system and affect the limited warranty. The following UL listed devices are supported in an ADT security system:

3.1 ADT System Components and SKUs

ADT Base	S501R0-01-WH, ADTBASE502R0-01-WH
Door/Window Sensor	SSH5R0-29-WH
V4 Smoke Detector	SSS1R0-29-WH
Motion Sensor	SSM5R0-29-WH
Water and Temperature Sensor	SSW5R0-29-WH
Indoor Siren	SAH5R0-29-WH
Heat Detector	SSHE5R0-29-WH
Carbon Monoxide Detector	SSCO5R0-29-WH
Smoke and Supplemental Heat Detector	SSS5R0-29-WH
Smoke, CO, and Supplemental Heat Detector	SSSX5R0-29-WH
Premium Door/Window Sensor	SSHX5R0-29-WH
Keypad	SKP5R0-01-WH
Translator	SSBR0-34-WH
Alarm Range Extender	SSEX5R0-29-WH
Glass Break Sensor	SSGB5R0-29-WH
Touchscreen	STS5R0-01
Keychain Remote	SKF3R0-29-WH

3.2 Minimum/Maximum Components Per System

NOTE: There is an overall limit of 128 devices (combined ULE devices and Z-Wave devices) on a system. Touchscreen does not use ULE technology, so it is not included in this overall total.

Security Devices	Minimum # Per System	Maximum # Per System
ADT Base	1 (required)	1 (required)
Indoor Siren	0 – No Min	8
Keypad	0 – No Min	8
Translator	0 – No Min	4 – One Translator can support 8 wired zones and 64 wireless devices concurrently.
Alarm Range Extender	0 – No Min	8
Keychain Remote	0 – No Min	32
Touchscreen	0 – No Min	No limit since a non-ULE device
Life Safety Devices		ULE maximum is 128
V4 Smoke		Up to the ULE maximum
Heat Detector	0 – No Min	Up to the ULE maximum
Carbon Monoxide Detector	0 – No Min	Up to the ULE maximum
Smoke and Supplemental Heat Detector	0 – No Min	Up to the ULE maximum
Smoke, CO, and Supplemental Heat Detector	0 – No Min	Up to the ULE maximum
Sensor Devices		ULE maximum is 128
Door/Window Sensor	0 – No Min	Up to the ULE maximum
Premium Door/Window Sensor	0 – No Min	Up to the ULE maximum
Motion Sensor	0 – No Min	Up to the ULE maximum
Water and Temperature Sensor	0 – No Min	Up to the ULE maximum
Glass Break Sensor	0 – No Min	Up to the ULE maximum
Z-Wave Devices		Z-Wave maximum is 128
Lights & Appliances	0 – No Min	Up to the Z-Wave maximum
Door Locks	0 – No Min	Up to the Z-Wave maximum

Thermostats	0 – No Min	Up to the Z-Wave maximum
Garage Door Controllers	0 – No Min	Up to the Z-Wave maximum
Z-Wave Sensors	0 – No Min	Up to the Z-Wave maximum

NOTE: There is an overall limit of 128 devices (combined ULE devices and Z-Wave devices) on a system. Touchscreen does not use ULE technology, so it is not included in this overall total.

4.0 **Setting Up Your System**

All ADT products work together as a system to protect your home. They must be set up in a specific order to work properly. The ADT Base is set up first, followed by the auxiliary sensors and devices.

ADT has recently released a new version of the base, model ADTBASE502R0-01-WH. Both the new and previous versions of the base operate in essentially the same manner. Given that, the information that follows covers both the original S501R0-01-WH (referred to as the V5.0 going forward) and the new ADTBASE502R0-01-WH (referred to as the V5.2 going forward).

4.1. **Setting Up the ADT Base (S501R0-01-WH or ADTBASE502R0-01-WH)**

Only 1 ADT Base may be used on a system.

V5.0

V5.2

The ADT Base is the brains of the security system, providing connectivity for sensors, detectors, and automation devices with ADT cloud interface via customer's Wi-Fi or Cellular Network. The ADT Base is the next generation ADT Security and IoT solution. Its primary function is to serve as the local center for multi-wireless security sensors and automation devices and to interface to the ADT cloud via one of several network uplink devices, either via the customer's home Wi-Fi or cellular network. Secondarily, it will serve as a center for cloud voice services.

The ADT Base can connect to/operate on either a 2.4 GHz or 5 GHz Wi-Fi network.

Typically, when connected via Wi-Fi the ADT Base is placed centrally within the customer premises to maximize its connectivity to wireless security and automation devices. The ADT Base and the customer's Wi-Fi router, to which it is connected, are both stationary and at least one of these devices may have limited variability in its orientation. As such, a 2X2 antenna configuration has been specified to maximize effective range and to provide spatial diversity.

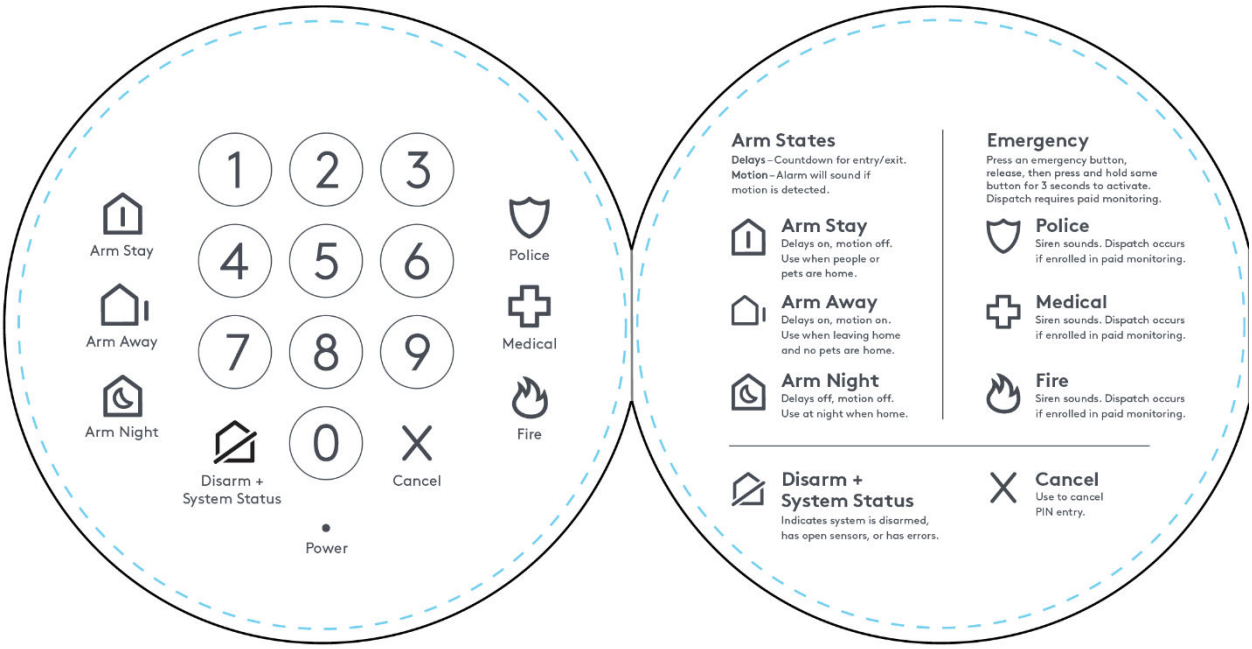
[V5.0 Only]

Proximity sensor/Proximity wake: from across the room, you can visually see the alarm status. As the user gets closer it senses them and wakes up when the user is approximately 6 inches away, ready for the user to engage. The device goes back to sleep after 10 seconds of not sensing anyone.

Articulated color status LED ring: this is the primary way for the ADT Base to provide security status to the user. The system will show its system status by using different color combinations, brightness, and blink rate; and can be used along with alarm sound or on its own (light only).

Speaker and microphone: The ADT Base supports local sound/beep for communicating status and input.

On the top of the ADT Base there are 18 backlit capacitive touch buttons for the user to manage their ADT Base configuration as shown below:



[V5.2 Only]

Backlit mechanical keypad: from across the room, you can visually see the alarm status. Each key on the top of the unit is backlight. Touch any button and they will all light. The device goes back to sleep 10 seconds after the last button press.

Articulated color status LED bar graph: this is the primary way for the ADT Base to provide security status to the user. The system will show its system status by using different color combinations, brightness, and blink rate; and can be used along with alarm sound or on its own (light only).

Speaker and microphone: The ADT Base supports local sound/beep for communicating status and input.

On the top of the ADT Base there are 18 backlit mechanical buttons for the user to manage their ADT Base configuration as shown below:

4.1.1 Determine the location

The ADT Base should be placed on a tabletop near an electrical outlet.

The ADT Base should be located where it cannot be reached by children.

Please consider the following when deciding where to locate the ADT Base:

- The ADT Base will require AC power, so an outlet should be available within 5 feet. The outlet must not be controlled by a switch and must provide continuous power.
- The ADT Base receives all sensor events wirelessly, so a more central location is preferred in your home (depending on size). If you locate the ADT Base in a far corner of the house, it may not be able to receive signals from the opposite side of your home. You can locate the ADT Base in a first or second floor room. In general, basement locations are not as good for wireless coverage.
- Open air range of the wireless sensors to the ADT Base is in excess of 200m with a DECT ULE signal reference level of -62 dBm. Due to variations in building construction and potential interference from other electrical devices, the actual range may be significantly less. Manufacturer's published range should be used for comparative purposes only.
- In the ADT+ app, under Device Information, Connection lists signal strength between each device and the base. It is recommended that at the time of installation, the installer verify that the Connection strength is "Strong", "Good", or "Okay". If the Connection is "Weak" or "Offline", consider relocating the base or sensor, or adding a DECT ULE repeater available from ADT.
- The ADT Base must communicate to ADT using Wi-Fi or LTE cellular service (or a combination). The ADT Base must have a good Wi-Fi signal to your router. Please see the notes below on Wi-Fi signal coverage in a home.
- If you intend to use the LTE cellular capability of the ADT Base, the device will need to receive a cellular signal. In most parts of the country, AT&T is the preferred carrier for the LTE cellular signal. The ADT Base includes an internal cellular antenna.

- The ADT Base includes a loud piezo siren. You will want to make sure the device is in a place where you can hear the siren.
- The top of the ADT Base contains a built-in keypad for arming and disarming your security system. Do not place anything on top of your ADT Base, which could accidentally press buttons.
- The ADT Base should not be located where temperatures exceed 122□F (50°C) or below 32□F (0C) for any extended period of time. This will degrade the battery life. *Note: Please keep in mind that when finding a place to position your ADT Base, it will need to be free from metal objects and appliances that generate heat. Avoid setting the device directly on or near any major appliances, kitchen appliances, heaters, entertainment consoles, cable boxes, internet routers, televisions, and stereos.*

Placing the ADT Base

The ADT Base may be placed vertically on a shelf or a tabletop. The ADT Base includes a non-skid bottom that helps prevent the device from sliding on a smooth surface.

Power up the ADT Base

Once you have placed the ADT Base, you can connect AC power. Plug the power adapter into the wall outlet. The power adapter LED [V5.0 only] should illuminate white if power is available. Both bases have a dedicated Power Status LED. The ADT Base was shipped to you in a deep sleep state. The battery is connected, but all the circuits are turned off. When you apply AC power for the first time, the ADT Base will boot (in a similar fashion to your computer). This boot process takes about 30 seconds. Please see the LED descriptions if you want to monitor the completion of boot mode.

Battery requirements

- Backup battery: rechargeable lithium-ion battery pack lasts up to 24 hours. (S40LRBR0-01)

Connect power adapter

- Do not use an electrical outlet that is controlled by a switch or part of a ground fault circuit interrupter (GFCI) that could switch power off.
- Insert the power adapter plug fully into the jack on the side of the ADT Base. Plug the power adapter into the wall outlet.
- Place the power adapter cord so that it does not create a tripping hazard or become pinched and create an electrical hazard.
- If AC power is lost, the power adapter LED indicator [V5.0 only]will go dark, the Power LED on the unit will flash red, and the unit will chirp once.
- If the power adapter plug is disconnected from the ADT Base, the Power LED on the unit will flash red, and the unit will chirp once.

4.1.2 Setup and Activation

1. While your ADT Base is starting up, if you have not done so already, download the iOS or Android ADT+ App by visiting www.ADT.com/apps . Open the app to create an account or log in to an existing account.
2. Follow the in-app setup instructions to connect your ADT Base to your home's Wi-Fi network.

Note: Make sure Bluetooth is activated on your mobile device. Your device will need to pair over Bluetooth to your ADT Base for setup.

3. After activating your ADT Base, proceed with the in-app guide for setting up any sensors, devices, and cameras.

Note: It is important to set up professional monitoring since it helps to protect your home in the event of burglary and fire. Enrolling in professional monitoring ensures that the monitoring center will contact you and dispatch emergency authorities if needed.

WARNING: Only use dedicated always-on broadband internet communications. Do not use dial-up type internet connections that are not always available. Your ADT security system sends regular "heartbeat" messages to the ADT servers every 5 to 60 seconds. In addition, during an alarm condition, relying on dial-up connections is not always reliable or assured.

Battery backup for internet router

While your ADT security system includes battery backup, communications to the monitoring center may still be disrupted in the event of power outage if your router and internet communications do not also have battery backup. You must provide at least 24 hours of battery backup for any equipment (such as a router, switch, or broadband internet modem) used for communications by your ADT security system to the internet.

Reset button on bottom of unit.

[V5.0] There is a red Reset button located behind the bottom panel of the ADT Base and a momentary single press of this button will cause the ADT Base to reboot. This is not a common need, and it is recommended that you do not press this button unless an ADT customer service representative has instructed you to do so. NOTE: If the bottom panel is removed to access the Reset button, a Tamper event will be triggered and reported accordingly.

[V5.2] There is a small pinhole located underneath the bottom panel of the ADT Base and a momentary single press of this button using a paperclip or similar wire will cause the ADT Base to reboot. This is not a common need, and it is recommended that you do not press this button unless an ADT customer service representative has instructed you to do so. NOTE: If the bottom panel is removed to access the Reset button, a Tamper event will be triggered and reported accordingly.

Note: Do not attempt to pry off the bottom cover of the ADT Base as this will result in damage to the device.

[V5.0] The bottom panel of the ADT Base can be removed by turning the unit upside and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about an inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery access panel door. Remove this access panel by squeezing the top middle of the panel and lifting. Once the access panel is removed, the red reset button will be visible. Press the red reset button once to reset the device. Replace the access panel by securing it in place and reposition the bottom cover by aligning the white bar on the cover with the same type of vertical mark on the side of the ADT Base. Once the marks are aligned, gently turn the bottom cover in a clockwise direction until it locks back into place and the lock symbol is aligned with the vertical white bar on the device housing.

[V5.2] The bottom panel of the ADT Base can be removed by turning the unit upside down, removing the power cord by pulling straight up, and then remove the small screw located in the power cord channel by turning it in a counterclockwise direction. Carefully set the screw aside as it will need to be reinserted. Lift the bottom panel about an inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery and other connectors, including a small hole near the battery to access the reset button. Use a straightened paper clip or similar device to Press the reset button once to reset the device. Reposition the bottom cover by inserting the alignment tab in the slot and carefully replace small screw removed earlier.

Arming your security system:
ADT provides a variety of options for arming and disarming your system. The ADT Base includes a keypad that is built into the top of your device for convenient control. Depending on your needs, you may choose one of three different arming modes:

Arm Stay: Press the Arm Stay button and then enter your Security Code to arm in stay mode.
- This is used when you are home, entry and exit delays are ON, and motion sensors are OFF.

Arm Away: Press the Arm Away button and then enter your Security Code to arm in away mode.
- This is used when no one is home, entry and exit delays are ON, and motion sensors are ON.

Arm Night: Press the Arm Night button and then enter your Security Code to arm in night mode.
- This is used when you and your family are in for the night, entry and exit delays are OFF, and motion sensors are OFF.

When a request to arm the system is entered along with the Security Code, a countdown timer is started on the articulated LED ring to indicate to the user that the request is being processed and when the arm request will go active. As the countdown timer gets closer to zero the audible notification speeds up as well until the timer reaches zero and the system is armed.

The countdown is at 30 seconds as a default setting, but it is customizable via the ADT+ App and the customer portal. The user is presented the following options: 45 sec, 60 sec, 90 sec, 120 sec, and 240 sec.

As an example, if your system is disarmed and you arm it to Away, the icon and light ring/bar graph countdown will be green (indicating disarmed) until the system is armed, at which point it will turn blue. Now if the system is armed Away and you arrive home and enter your home, the light ring/bar graph countdown will be blue indicating armed. Once you disarm your system, the disarm button changes to green.

- **Disarm**: If the system is armed, when the user approaches the ADT Base the user can enter their Security Code to disarm the system. *Note: By design, the exit and entry delays are configured to allow you enough time to leave or enter your home without setting off a false alarm.*

- **X (Cancel):** Press the **X** button (Cancel) to cancel a Security Code entry.

TIP: Make sure all windows and doors are closed before arming the system. If there is an open sensor and the system is disarmed, the Disarm icon will be yellow instead of green to indicate that there is an open sensor. You can either close the door or window and try to arm again or bypass the sensor on the ADT+

App. If you choose to bypass a sensor when arming the system, that sensor(s) will not be monitored until the next time the system is armed.

Emergency Handling:
ADT provides a variety of options for handling emergencies. The ADT Base includes a keypad that is built into the top of your device for convenient control. There are 3 unique buttons available to the user depending on the type of emergency: **Police**, **Medical**, and **Fire**. For any of these 3 emergencies, the user is required to first light press the specific type of emergency (**Police**, **Medical**, or **Fire).** This light press will select the specific type of emergency and highlight just that button on the keypad. Then the user long presses the same button for at least 3 seconds to activate the emergency request. If the button is not held down for at least 3 seconds, it is treated as a false request and the request is not activated.

However, if the emergency button is pressed for at least 3 seconds (known as a long press), the specific emergency request is activated; **Police**, **Medical**, or **Fire.** The LED light ring [V5.0] or bar [v5.2] fills over the 3 seconds while the user is long pressing the panic button. After the 3 seconds, the light ring/bar will be 100% filled and ADT is notified of the request if the customer subscribes to the paid monitoring service. Once the countdown LED ring timer completes, the siren in the ADT Base will sound. The siren will continue sounding until the user cancels the emergency from the ADT Base keypad or until the siren has sounded for 5 minutes. There is a different siren sound for each of the 3 types of emergencies.

Note: If you subscribe to the paid monitoring service, once an emergency service request is triggered, you cannot cancel emergency services from being dispatched.

Duress code: There is also an option to set up a unique duress code (different from your Security Codes). Use this code when you feel threatened by someone forcing you to disarm from inside your home. When you enter the code, the alarm will not sound. A special duress message is sent to the monitoring center, and emergency services will respond appropriately.

- To create a duress code, select **Menu > Users > +** to Add, and select Duress User. Create a Duress User with a unique 4-digit duress code and then press Add User. *Note: The duress code should only be used in an emergency. There is no option to cancel dispatch if you are not in an emergency. Your local municipality and police department will treat this as a false alarm.*

Users
ADT allows for multiple Security Codes, which will enable you to keep track of who arms and disarms your system.

- Primary Security Code: You will only have one 4-digit Primary Security Code, which gives you complete access to your entire system. Protect this code, and do not share it with others.

- Users: Invite your trusted friends and family and keep track of who arms and disarms your system. Users will be invited via email and set their login password, security question, and can manage their notifications under My profile. As the Primary User, you may invite any of the following user types to your system:

- Admin Users get full access to all platforms and functionalities except billing.
- Standard Users have access to monitoring, controlling, and limited settings management.
- Basic Users can only arm/disarm.

- Duress User is a code to disarm the system and notify the monitoring center. You may only have one duress code, which is shared by all, to trigger a duress alert to the monitoring center.

What to do in the event of an alarm:

Useful knowledge:

What is a Security Code? It's your 4-digit PIN used to disarm your system.
What is a Verbal Security Password? This password is a phrase given verbally to the monitoring center to verify that you are the account holder. In the event of an alarm, you must provide it to prevent dispatch or also to discuss any information with the monitoring center.

When your alarm is sounding, there are a few options for you to choose, depending on the scenario:

- If it is a false alarm triggered by you, a loved one, or by accident, you have 30 seconds to Disarm the alarm by entering your Security Code. Doing this will cancel the alarm and return the system to normal with no further action.
- If it is a false alarm and you do not enter a Security Code within 30 seconds, the monitoring center will call the primary contact. If that person gives the correct Verbal Security Password to the dispatcher, the false alarm is canceled.
- If the alarm sounds in a true emergency, then the alarm will continue to sound, and the monitoring center will be notified after 30 seconds. The primary contact will receive a call, provide the Verbal Security Password, and can request dispatch of emergency services to your home.
- If the primary contact is unavailable or cannot provide the dispatch with the Verbal Security Password, the dispatcher will continue calling the secondary contact and any courtesy contact until someone has the correct Verbal Security Password.
- If the incorrect Verbal Security Password is provided or no contact can be reached, the monitoring center will contact the authorities.

Make sure you have a family emergency escape plan that specifies where to meet and what to do in case of an emergency.

4.1.3 ADT Base Settings

The following Audio Settings are supported on the ADT Base system.

Launch the ADT+ App. Once logged in, select **Menu > Devices > Security Devices > Base > Audio Settings:**

Chime
Your ADT Base will play a chime anytime your door or window sensors are opened.
Default=Enabled

Entry Tone
When your security system is armed in stay or away, the ADT Base will play a tone during the entry delay countdown time period once a door sensor is opened.
Default=Enabled

Away Exit Tone
When your security system is armed away, the ADT Base will play a tone during the exit delay countdown time period.
Default=Enabled

Stay Exit Tone
When your security system is in the stay arming mode, the ADT Base will play a tone during the exit delay countdown time period.
Default=Enabled

Alarm Siren
The ADT Base will sound an alarm siren during any alarm events.
Default=Enabled

Additional Settings are available on the ADT App in Settings.

Launch the ADT app. Once logged in, select **Menu > Settings > Security > Trouble Sounds:**

Trouble Silence Start / Trouble Silence End
Trouble sounds occur on the ADT Base of your system when there are any issues or warnings for example, a low battery on a sensor. Set a custom time frame to only allow these sounds between a certain timeframe.
Default= Trouble Sounds are not being silenced.

Allow sounds after	Hour time picker (e.g., 8:00 AM)
Don't allow sounds after	Hour time picker (e.g., 11:00 PM)

Note: It is recommended to limit silencing of trouble sounds to a maximum of 8-12 hours a day.

Advanced Settings:
Exit Delay
Gives you time to leave your home before the system is armed.
Default=60 seconds

One Touch Arming
The system can be armed without having to enter a Security Code. When arming your system via the One Touch function, a long press of the Arm function (Arm Stay, Arm Away, or Arm Night) is required. The LED ring will fill with blue during the long press and once the ring is complete the system is armed.
Default=Disabled

Remote Arming Exit Delay
Enable Exit Delay when using a remote arming method.

Default=Enabled

Auto Stay
The system will default to Stay mode if you arm without exiting through a monitored entry point.
Default=Enabled

Abort Window Time
Time frame to disarm the system before the alarm is sent to the central monitoring station in case it's an error.
Default=30 seconds

Weather Units
Fahrenheit/Celsius
Default=Fahrenheit

System Swinger Shutdown
Prevents alarms from going off for a specific sensor if it has tripped an alarm multiple times in a 5-minute window.
Default=Enabled

Swinger Shutdown Time
The number of occurrences of the same alarm in a 5-minute window before the alarm is silenced.
Default=a number from 1 to 6

Launch the ADT app. Once logged in, select **Menu > Settings > System Tests:**

System Tests
Sensor/Siren Test
Sensor Test (Future capability)
Siren Test – when invoked this will sound the ADT Base siren for approximately 5 seconds (as well as any other connected Indoor Siren devices).

App Settings
Version x.x.x (xxxxx)
Lifeplayer Version x.x.x
Push Notifications Default=Disabled.

Network Connections – This function tests whether you can reach the network that would power your home security solution.

Network Tests – include Base Control, Applications and Cameras.

Cameras, sensors, and devices

- Follow the in-app guide for setting up the sensors and devices that come with your initial system purchase. If you purchase additional sensors, devices, or cameras after initial setup,

you can easily pair those to your system by launching the app go to into **Menu** > **Devices** (**+**) **Add Device** and selecting the type of device you want to add.

- You can expand your security system at any time. Order online under Shop on your web portal or contact ADT to purchase additional devices at (888) 392-2039.

4.1.4 ADT Base LED Guide

Your ADT Base indicates its current status by the color of the buttons on the top keypad.

System State (Disarmed for simplicity)	Details	ADT Base Top Keypad
"Ready to Arm"	All sensors closed. No bypass required	Green
"Not Ready to Arm"	Sensor Faulted/Open, requiring bypass to arm	Yellow
"Not Ready to Arm"	1+ Troubled Device - > Low Battery, Tampered and/or offline device	Red

Note: The Power LED light is continuously lit when the ADT Base is operational and connected to AC power. While the ADT Base is restarting, the LED ring and top keypad are off entirely, and the Power LED light will blink until the restart completes.

In addition to the status displayed by the ADT Base top keypad, the articulated LED ring built into the ADT Base provides additional information regarding current activity on the ADT Base and also provides an indication of a pending transition to a different state. This quick reference guide will help you understand your system's status.

LED Ring Guide

Function	**Button and Color**	**Ring Color**	**LED Ring Operation**
Disarm Active	Disarm (Green, Yellow or Red)	OFF	--
Disarm to Arm Stay	Arm Stay (Green, Yellow or Red)	Green	Constant display (but vanishing in unison with exit delay countdown until the system transitions to armed)
Arm Stay Active	Arm Stay (Blue or Red)	Blue	One time flash of blue, then OFF
Arm Stay to Disarm	Disarm (Green, Yellow or Red)	Green	One time flash of green, then OFF
Disarm to Arm Away	Arm Away (Green, Yellow or Red)	Green	Constant display (but vanishing in unison with exit delay countdown until the system transitions to armed)
Arm Away Active	Arm Away (Blue or Red)	Blue	One time flash of blue, then OFF
Arm Away to Disarm	Disarm (Green,	Green	One time flash of green, then OFF

	Yellow or Red)		
Disarm to Arm Night	Arm Night (Green, Yellow or Red)	Blue	One time flash of blue (immediate arming– no countdown timer)
Arm Night Active	Arm Night (Blue or Red)	Blue	One time flash of blue, then OFF
Arm Night to Disarm	Disarm (Green, Yellow, or Red)	Green	One time flash of green, then OFF

LED Guide

	State	**Ring LED**	**Backlight LED (Buttons)**
1	System Arming	Solid green countdown ring	ON
2	Entry delay, exit delay	Solid blue countdown ring	ON
3	System Armed	Solid blue (fades out)	ON
4	Alarming, Panic	Blinking red	ON
5	Disarmed (not ready to arm)	No light from ring	ON
6	Device is faulted, tampered, lost, or has low battery	No light from ring	ON
7	Boot mode (device is restarting)	No light from ring	Power LED at bottom of keypad is blinking white.
8	Downloading firmware	Ring slowly fills with purple light	Flashing red LED on top of keypad.

*The LED light behavior may vary based on power and user settings manage from the ADT+ App or web portal.

4.1.5. False Alarm Prevention

The system is designed with features and best practices to help reduce the number of false alarms. There are many ways to avoid triggering false alarms. When an alarm is sounding, there are a few options for you to choose from, depending on the scenario. You can turn off these settings; however, doing so will trigger an increased number of false alarms.

- **Abort window time:** You have 30 seconds to enter the correct Security Code. This time allows you to cancel and disarm the alarm with an extra delay known as the abort window delay. If the alarm has already been triggered and a siren is sounding, you can enter your Security Code during this next 30-second window, and no alarm will be sent to the monitoring center.
  Note: 30 seconds is the default setting time. You may change the abort window time in your system settings.
- **Fire alarm verification:** If your ADT Smoke Detector senses smoke, your ADT Base will wait 60 seconds to ensure that the smoke detector is still alarming before dispatching a signal to get help. This time allows you to silence an alarm triggered by burning food, for example, and avoid a false alarm.
- **Exit error:** Exit error occurs if a sensor is tripped when the exit delay time expires, for example, if you do not close the door completely when leaving your home during exit delay. The

entry delay time will start immediately, giving you the chance to disarm the system before an alarm is sent to the monitoring center with an exit error.

- **Auto arm stay:** If you arm the system in Away mode and do not exit through a monitored entry point, the system will automatically default to Stay mode to prevent false alarms from motion sensors.
- **Practice mode — 7-day practice period:** When you first set up your new security system, you are placed within a 7-day practice period, which serves as a learning opportunity for you. This period will ensure that you can practice using your system and make mistakes without worrying about false alarms. After the practice period, if you meet all permit requirements, you will be placed in full-monitoring mode by the monitoring center to ensure that your home is protected.

Alarm registration and permits
Many municipalities require users to obtain an alarm permit/registration to activate monitoring services.

Obtaining local permits and registration:
ADT contacts your local municipality to determine if a permit is required and will email you with any steps on how to obtain permit/registration. In the meantime, you can contact your local municipality and ask if a security system permit is required. Below is some of the information a municipality may ask you.

Alarm Company
ADT
1501 Yamato Road
Boca Raton, FL 33431
Phone: (888)-392-2039

Monitoring Company
ADT
8880 Esters Blvd.
Irving, TX 75063
Phone: (800) 238-2727

It is crucial to obtain permits and/or registration if required in your municipality.

Please note: Residents are responsible for all permit fees, false alarm fees, runner service/alarm verification service fees, and other applicable fees if incurred.

Many municipalities will not allow ADT to begin monitoring your home without a permit. In the event of a false alarm, municipalities can charge fines to consumers who do not obtain the required permits/registration. Also, some police agencies will not dispatch to a home that is not registered/permitted.
Note: You may still be required to pay your municipality's false alarm fees.

Battery
The ADT Base includes an integrated 2400 mAH LiIon battery designed to operate for 24 hours upon loss of AC power. The battery pack model number is S40LRBR0-01. Please note that the ADT Base is shipped in a deep sleep mode (like a smart phone or tablet), with very little power draw and a partial

charge on the battery. When the ADT Base is first plugged into AC power, the device will automatically begin normal operations. It may take 24 to 48 hours for the battery to reach full charge. If the battery ever becomes fully discharged, the battery will again require 24-48 hours to reach full charge. During normal operation, the ADT Base automatically maintains the charging of the battery and there is no action required on your part.

The S40LRBR0-01 battery typically has a chemical life of at least 5 years. If this battery requires replacement, use only ADT Rechargeable Battery supplied with your ADT Base. Replacement batteries are also available through ADT Customer Support at **888-392-2039** or online at www.ADT.com/support.

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS. The ADT Base should not be placed in any location subject to temperatures over 120□F (49°C) or below 32□F (0C) for any extended period of time. This will degrade the battery life. Rechargeable Lithium Ion Batteries Must Be Recycled or Disposed of Properly. Do not mutilate the battery pack. Do not dispose of the battery pack in a fire due to risk of explosion.

To replace the battery, disconnect the power cord from the ADT Base and follow the following instructions:

Note: Do not attempt to pry off the bottom cover of the ADT Base as this will result in damage to the device.

The bottom panel of the ADT Base can be removed by turning the unit upside and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about an inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery access panel door. Remove this access panel by squeezing the top middle of the panel and lifting. Once the access panel is removed, lift the battery out of the compartment and disconnect the battery plug from the connector. Reverse the operation to replace the battery. Please note that that the battery plug is polarized and can only be inserted one way into the connector. Do not force the battery plug into the connector incorrectly. Replace the battery access panel by securing it in place and reposition the bottom cover by aligning the white bar on the cover with the same type of vertical mark on the side of the ADT Base. Once the marks are aligned, gently turn the bottom cover in a clockwise direction until it snaps back into place and the lock symbol is aligned with the vertical white bar on the device housing.

4.2. Z-Wave Plus® Statement

The ADT Base is a Z-Wave Plus® Product supporting the S2 Security Protocol with numerous capabilities described below.

This product can be operated in any Z-Wave® network with other Z-Wave® certified devices from other manufacturers. All non-battery-operated devices within the network will act as repeaters regardless of vendor to increase reliability of the network.

Your system supports the use of Z-Wave® lights, locks, thermostats, and garage door controllers. The system works in both traditional Z-Wave® mesh networks and Z-Wave Long Range networks.

To learn more about how to add the devices to your system, control them, and what is supported, please visit www.ADT.com/support and explore our Support Center articles. A summary is listed below.

Adding a device:
To add a Z-Wave® device, go to Settings > Devices > Click on the add button and then select Z-Wave® device. You may then select if you would like to add a device using General Inclusion or SmartStart.

Z-Wave® SmartStart enabled products can be added into a Z-Wave® network by scanning the Z-Wave® QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity. To access the SmartStart Provisioning list, continue by selecting “SmartStart.” From there you can add a device by selecting “+” and then either selecting Manually or Scan QR Code and follow the prompts. When manually entering the DSK, you may also select a bootstrapping mode. For devices that support Z-Wave Long Range, you can use the long-range option to ensure the device is included using Z-Wave Long Range. Once a SmartStart device has been successfully added its DSK (Device Specific Key) and status will show up on the SmartStart Provisioning screen. To remove a SmartStart provisioned device from the screen, swipe it left and you will be asked to Confirm or Cancel the request for SmartStart.

Not all Z-Wave® devices support SmartStart; however, all Z-Wave® devices can still be added using General Inclusion. To continue, select “General Inclusion.” The ADT Base will then go into inclusion mode and, you will be prompted to follow your manufacturer’s instructions to put the device into inclusion mode. Once the device is added you will hear a confirmation beep from your ADT Base, and you will be presented with a screen to name the device and to choose an icon.

Some Z-Wave® devices may support secure adding also known as ‘S2.’ S2 devices encrypt their communication with the ADT Base for added security. These devices can be added using the process described above, but once the device has been discovered, you may be prompted to enter the first 5 digits of that device’s DSK (Device Specific Key). After the device has been successfully added, it will operate like any other Z-Wave® device. If secure add fails, the device may still add, but in an unsecured mode with reduced functionality, and you may be prompted to delete and reinstall the device to ensure it is properly secured.

If using another controller to add devices, you may need to enter in the DSK into the ADT+ app. This can be done by going to Settings > Devices > your ADT Base > Advanced Settings > Z-Wave Pin Add Mode. You should enter the first five digits when prompted.

The DSK (Device Specific Key) of your base can be accessed by going to Settings > Devices > Going to your ADT Base > Product Information. The full DSK will be displayed.

Note: Not all Z-Wave® device types may be supported by the system. If you choose to add a device that is unsupported, it will come into the system as unknown and will be located in the Z-Wave® cards.

Controlling a device:
Once a Z-Wave® device has been added to the ADT Base, it can be controlled using the home automation cards on the main screen of the iOS, Android, or web applications.

Lights	Turn the light on and off and change the brightness for dimmable switches.
Locks	Lock and unlock the lock.
Garage doors	Open and close your garage door.
Thermostats	View your current temperature and mode, adjust your temperature settings, change the heating and cooling mode, and change the fan mode.
Unknown devices	Any device that is added to the system but is not recognized as a fully supported device will only have basic on/off control.

Barrier Operation:
Your ADT Base uses the Barrier Operator Command Class to control garage doors. To control your garage door, go to Settings > Devices and select your device. From there, you will be able to open or close the garage door. You may also toggle any visible or audible notification systems if your garage door supports it.

Basic Command Operation:
Some Z-Wave® devices may have use controls that your ADT Base is incompatible with. These devices may offer a 'Basic Command' as an alternate means of communication. To control this basic command, go to Settings > Devices and select your device. From there, you can control this basic command if your device supports it.

Switch Command Operation:
Some devices, especially lights and switches, can be turned on and off. To control these devices, go to Settings > Devices and select your device. From there, you can turn this device on and off.

Multilevel Switch Command Operation:
In addition to being turned on and off, some devices, such as light dimmers, can also be set to specific levels. To control these devices, go to Settings > Devices and select your device. From there, you can select the level for the device. If you want to turn this device off, or turn it on to the last known value, you can tap the device card located on the main screen.

Central Scene Operation:
Your ADT base supports notifications from a Z-Wave® central scene controller. Scene notifications will appear in your Recent History section. To view which scenes are available, go to Settings > Devices and select your device.

Color Operation:
Your ADT system supports changing the colors of Z-Wave® lights. Please check your device to make sure it supports changing color. To control this device, go to Settings > Devices and select your device. From there, you can select values for individual color channels. You can also use the color picker to select a composite color. Individual channels may fade or brighten with a custom duration. Fades can also be stopped from this menu.

Door Locks:
Your ADT base supports controlling Z-Wave® door locks. To control a door lock, go to Settings > Devices and select your device. From there, select the door lock mode. Some door locks support additional features and can be configured from here as well.

Meter Operation:
Your ADT base supports reading measurements from Z-Wave® meter devices. Should you wish to reset the measurement, go to Settings > Devices and select your device. From there, you can reset the meter from the advanced menu.

Multilevel Sensor Operation:
Your ADT base supports reading measurements from Z-Wave® multilevel sensors. Should you wish to wish a measurement, go to Settings > Devices and select your device. Some sensor readings may not be understood; if your ADT system does not understand how to interpret a reading, it will show up as "Unknown."

Notification Operation:
Your ADT base can receive notifications from Z-Wave® devices. These will appear in your "Recent History" section.

Thermostat Operation:
To control Z-Wave® Thermostats using your ADT Base, go to Settings > Devices and select your device. From there, you can select a thermostat mode, as well setpoints for different target temperatures. Please note that the correct mode must be active for a setpoint to take effect.

User Code/User Credential:
The ADT implementation of User Code and User Credential Command Classes renames the following:

ADT		Z-Wave
'Access'	=	'General User'
'Admin'	=	'Programming User'
'Messaging'	=	'Non-access User'

Note that an Admin Code must be present before User Codes can be added.

Reduced Functionality Devices:
Devices may operate with reduced functionality depending on some circumstances. If a device supports S2 security but was added insecurely, functionality may be limited. It is recommended to remove the device and re-add the device.

Some devices may also be locked to only have full functionality on a certain network. To check if a device is locked, go to Settings > Devices and select your device. If the device indicates that it is code-locked, it can be unlocked using the code used to lock in in the advanced settings.

Capability Rediscovery:
Some devices may dynamically change their capabilities. Your ADT system may need to update the device. To do so, go to Settings > Devices and select your device. In the advanced section, request a status update.

Association Group information:
This product supports Association Group 1 (Lifeline Group) with the maximum of 1 node. The Lifeline Group is used to communicate upstream with another controller. This product will send CC DEVICE_RESET_LOCALLY to the Lifeline Group before performing default factory reset.

Removing a device:
To remove a device, go to Settings > Devices and choose your device. You can then remove it by clicking remove and following your manufacturer's directions to put the device into exclusion mode. If a device is not responding, you may fail the remove and then be prompted to remove the failed device. This will remove the device from the network without it being present. If you would like to add your device to another system, then you will need to reset the device per the manufacturer's instructions. You can use the general exclusion for resetting devices as well under Settings > Devices > Go to your ADT Base > Select advanced settings, and then click General Exclusion.

Removing a failed node:
If you are attempting to remove a device that is no longer active in the Z-Wave® network, you can instruct the ADT Base to remove the device. Navigate to the advanced Z-Wave® settings

page for the failed device and press “Remove Failed Device”. The ADT Base will proceed to remove the device from the Z-Wave® network.
Note: If your device comes back online after it has been removed via Removed Failed Device, you will need to reset your device in order to re-add it. Use “General Device Exclusion” to do this.

Replacing a failed device:
If you are attempting to replace a device that is no longer active in the Z-Wave® network, you can instruct the ADT Base to replace the device. To replace a failed device, go to Settings > Devices > Choose Your Device and then select “Replace Failed Node.” After the first device is removed, you will be prompted to add your new device by following the manufacturer’s instructions to add a device. Once the replace is confirmed, then your device will then work as your other device did with rules. If you attempt to replace a device with a different type of device, for example replacing a light with a lock, then your rules will no longer work for that device.

NOTE: For security reasons, your new device will have the same permissions as your old device. As a result, your new device may operate with reduced functionality. For that reason, it is strongly recommended that the replacement device is the same model as the failed device. If this is not the case, it is recommended to remove the failed device, and then add the new device.

Copying your Z-Wave® network information to another controller:
If you would like to copy your network information to another controller, you must add the controller to the Z-Wave® network using the normal device add process. Once the controller has been successfully added to the Z-Wave® network, all network configurations will be automatically transferred to the new controller.

Resetting your Z-Wave® network:
If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable. In order to factory reset your Z-Wave® network, go to Settings > Devices > Choose your ADT Base > Open Advanced Settings and then select Z-Wave Reset Controller. After a few seconds, the ADT Base will beep to indicate that your Z-Wave® network has been reset. Any devices which were part of your Z-Wave® network will need to be reset before they can be re-added. Use the Z-Wave® General Exclusion menu under Settings > Devices > Choose your ADT Base > Open Advanced Settings to do this.

Performing a Z-Wave® Network Update

Z-Wave® supports refreshing a network which is suffering from poor communication between devices. To perform a Z-Wave® Network Update in the app, go to Settings > Devices > Base > Advanced Settings > Z-Wave Network Update > Confirm. This will begin a Z-Wave® Network update on your base. This operation may take several minutes.

4.2.1 Interoperability with Z-Wave® Devices

This product can be operated in any Z-Wave® network with other Z-Wave® certified devices from other manufacturers. All non-battery-operated nodes within the network will act as repeaters regardless of vendor to increase the reliability of the network.

Some Z-Wave® devices may support identifying themselves, usually via a light. To identify a Z-Wave® device, go to Settings > Devices and select your device. If your device supports identifying itself, an option to do so will appear in the advanced menu. Similarly, other Z-Wave® devices can identify your ADT Base, which will cause your system's LED to blink purple.

4.2.2 Functional Overview

This device behaves as static controller based on the Z-Wave® Controller Library. It controls devices using the following Z-Wave® Command Classes:

Version	Non-secured CC	Version	Secure CC
2	Z-Wave Plus® Info	4	Network Management Inclusion

2	Transport	2	Network Management Basic
1	CRC 16 Encapsulation	4	Network Management Proxy
1	Application Status	3	Association Group Information
1	Application Capability	1	Device Reset Locally
1	Security 2	4	Network Management Installation Maintenance
1	Security	2	Manufacturer Specific
1	Inclusion Controller	1	Power Level
1	Supervision	1	Node Provisioning
1	Time	5	Firmware Update Metadata
1	Multicommand	3	Association
		3	Version
		3	Indicator
		4	Multichannel Association

This product controls devices with Basic Command Class using values 0 for OFF and 255 for ON.
The device does not implement support for receiving Basic Command Class.

DESCRIPTION OF CONTROLLED COMMANDS AND FUNCTIONS

Controlled Command Classes	Version
Antitheft Unlock	1
Application Status	1
Association	3
Association Group Information	3
Basic	2

Battery	2
Central Scene	3
CRC 16 Encapsulation	1
Door Lock	4
Firmware Update Metadata	5
Indicator	3
Meter	5
Multichannel	4
Multichannel Association	4
Network Management Basic	2
Network Management Inclusion	3
Network Management Installation Maintenance	2
Network Management Proxy	3
Notification	8
Multilevel Sensor	11
Multilevel Switch	4
Binary Switch	2
Color Switch	3
Security	1
Security 2	1
Supervision	1
Thermostat Fan Mode	5
Thermostat Fan State	2
Thermostat Mode	3
Thermostat Operating State	2
Thermostat Setpoint	3
Version	3
Wake Up	2
Z/IP	5
Z/IP Gateway	1
Z/IP ND	1
Z/IP Portal	1

Z-Wave Plus® Info	2
User Code	2
User Credential	1

4.2.3 Description of Partially Controlled Command Classes

- Configuration Command Class
  - The hub implements a subset of the Configuration Command Class to enable advanced settings for preferred devices. The hub does not expose any UI for complete Configuration parameters.
- User Credential Command Class
  - The Hub does not implement support for the following:
    - Disabling admin code.
    - Deleting all credentials of a specific type
    - Deleting all credentials of a specific user
    - Deleting all credentials of a specific type for a specific user
    - Showing the `username` field of a Lock User
  - Note that the 'Unspecified' Credential type identifies 'Unspecified Biometric'

4.3. ADT Door/Window Sensor (SSH5R0-29-WH)

Before you get started you will need:

• ADT Base

• ADT+ App on the latest iOS or Android OS

• Phillips screwdriver or a drill with a Phillips driver bit (optional)

• Power drill with drill bits for pilot holes (optional)

Door/window sensor

Add to door or window. Connects to the ADT Base and notifies user when a door or window is opened.

Setting up your ADT Door/Window Sensor

1. Open the ADT+ App and log in to an existing account.
2. Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Door/Window Sensor.**
3. Follow the in-app steps to power on the sensor and mount it properly.

Mounting tips

Align the indented dots on the sensor and magnet so they're no more than 1/2" apart when the door/window is closed. If necessary for proper alignment, spacers can be purchased through the shop section of your mobile app or online account.

• If mounting with the provided double-sided tape, ensure the door/window frame surface is clean and dry by using the enclosed alcohol wipe.

• If mounting with screws, remove the back of the sensor and magnet to locate the screw holes.

Note: You may need a drill and Phillips screwdriver.

Resetting your ADT Door/Window Sensor

- Remove the sensor's battery cover by sliding it to the unlock position before removing.
- Remove the CR2 battery from the sensor.
- Press and hold the tamper button for 20 seconds while reinserting the battery.
- Release the tamper button and place the sensor's battery cover back on and lock into place.

Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.
Note: Replace with a CR2 battery only.

Pairing
The ADT Base is the controlling Base that your sensors communicate with. To pair your sensors with the ADT Base, just launch your ADT+ App. Once logged in, select **Menu > Devices > (+) Add Device > Sensors and Detectors**, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in an ADT system are preconfigured so they will be pre-paired to your system and can be added by simply removing the battery tab, as shown in the following steps.

To enable a new sensor:

1. Pull the exposed plastic battery tab from the back of the ADT Door/Window Sensor.
2. The LED indicator will begin to flash to indicate that the sensor is booting.
3. The LED will continue to blink once per second while attempting to pair with the ADT Base.
4. If a network is not found after 90 seconds, the sensor will go into sleep mode. To wake the sensor again, you need to use the magnet or press the pairing switch to repeat the pairing process.

Mounting your ADT Door/Window Sensor

This sensor is intended to be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, UL 1641.
The ADT Base and sensors are preconfigured to work together when setting up any sensors included with a system order. If you are setting up a sensor from an accessory order which doesn't contain an ADT Base, see the pairing section for information about adding your sensor to the ADT Base using your ADT+ App.

To continue with setting up a preconfigured sensor, launch your ADT+ App and follow the in-app setup help. Just follow these steps:

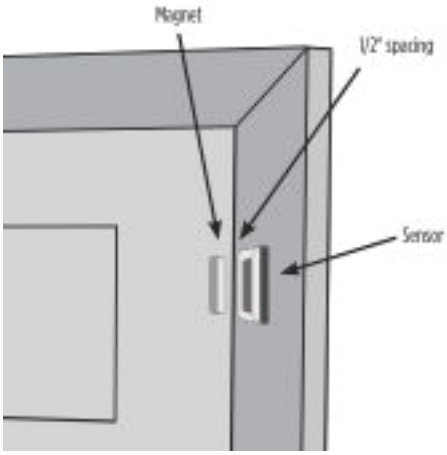
1. Make sure that the sensor and magnet are located less than ½ in.(15mm) from each other. For optimal performance, set up the door/window sensor on the fixed door jamb/frame and the magnet on the moving part of the door or window. Place the sensor near the top of the door or window and close to the opening.

   Note: First, clean the door/window and frame area and let it all fully dry before mounting your sensor and magnet with double-sided tape.

2. Use the provided double-sided tape to mount the sensor. Remove the tape liner and press firmly in place for 30 seconds.

3. Use the provided double-sided tape to mount the magnet. Make sure the alignment marks (circles) of both the sensor and magnet are facing each other. Remove the tape liner and press firmly in place for 30 seconds.

Note: The ADT pairing LED will stay off during the normal operation. The sensor is equipped with a tamper switch. If the back cover of the sensor is removed, the sensor will send a signal to the ADT Base.



Factory resetting your ADT Door/Window Sensor

Note: On the side of the sensor cover there are markings representing lock and unlock position. The position chosen is determined by where the black tab on the sensor mounting plate points to. If it points to the Lock symbol on the side of the sensor cover then the sensor cover is locked onto the sensor base. If it is aligned with the horizontal line on the sensor cover then the sensor cover is unlocked and can be safely removed. Those 2 markings are located towards the end of the sensor cover where the indented circle symbol is embossed to line it up with the same marking on the magnetic sensor part.

To factory reset your device:

1. Remove the sensor's cover by sliding it from the lock position to the unlock position. Do not attempt to pry the cover off as this may result in damage. (Please see note above).
2. Remove the CR2 battery from the sensor.
3. Depress the tamper switch before inserting the battery.
4. Insert the battery. The sensor should illuminate the LED once when the boot-up/initialization tasks are complete.
5. Release the tamper switch while the LED is illuminated (it will be lit for 4 seconds). The sensor should then reset to factory default settings and begin searching for the ADT Base. If you need to reboot the device, remove the battery, depress and release the tamper switch one time, and then reinsert the battery.

***Note:** If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.*

6. Place the cover back on the sensor and slide it into the lock position.

***Note:** Replace the battery with a CR2 battery only.*

4.3.1 Parameter Settings

The following settings are supported on the ADT Door/Window sensor.

Launch the ADT+ App. Once logged in, select **Menu > Devices > Security Devices > Sensors and Detectors > Door/Window Sensors:**

Placement

Your ADT Door/Window Sensor can be placed at different locations including Door, Window or Other, e.g., internal cabinet door.
Default=depends on device type selected

Alarm Type
Your ADT Door/Window Sensor supports different alarm types including Away, Stay & Away, and Convenience.
Default=Stay & Away

Entry Delay (Only applicable for Door or Other)
Your ADT Sensor has a countdown timer when entering the property to allow the user time to deactivate the alarm before it starts alarming. 30 seconds, 45 seconds, 60 seconds, 90 seconds, or 120 seconds.
Default=30 seconds

Chime Enabled
Your ADT Door/Window Sensor will trigger a chime to play on the ADT Base anytime a door or window premium sensor is opened.
Default=Enabled

Cross Zoning
The system includes an option whereby 2 sensors must trip within 30 seconds before an Alarm is sent to the monitoring center.
Default=Disabled

Swinger Shutdown
Prevents alarms from going off for a specific sensor if it has tripped an alarm multiple times in a 5-minute window.
Default=Enabled

Abort Window Time
Time frame to disarm the system before the alarm is sent to the central monitoring station in case it's an error.
Default=Enabled

Important safety information

1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Do not store batteries with hazardous or combustible materials.
7. Keep batteries away from children.
8. Store spare batteries in a cool, dry, and ventilated area.
9. Batteries can explode, catch fire, and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells), or exposed to water, fire, or high temperatures.

10. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.
11. Disposing of your device and old battery; ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit www.call2recycle.org and in the "Find a recycling location" field enter your Zip code to find your nearest battery recycling facility.
12. Do not drop the device or subject it to physical shock.
13. Do not use high voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
14. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
15. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

Operating specifications
Temperature:
32° to 131°F (0° to 55°C) at 5-95% relative humidity, non-condensing

Test sensors
Test sensors periodically to verify operation. With the system disarmed, open the door or window. This separates the sensor and magnet and notifies the system. You will hear a chime each time you open the door or window.

Battery installation and replacement
Replace low batteries with a model CR2 battery, available from www.ADT.com or other retailers. To install or replace the batteries:

1. Remove the sensor's cover by sliding it from the lock position to the unlock position. Do not attempt to pry the cover off as this may result in damage. (Please see note above).
2. Remove the existing battery and dispose of it properly.
3. Replace with a new CR2 battery, noting the correct polarity as indicated on the battery and housing.
4. Place the cover back on the sensor and slide it into the lock position. Verify operation after replacing the cover.

Warning: the polarity of the battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with CR2 batteries (brands include Great Power, and Lisun). Batteries must not be recharged, disassembled, or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area.

Keep away from small children. If batteries are swallowed, immediately see a doctor.

California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

4.4. ADT V4 Smoke Detector (SSS1R0-29-WH)

Before you get started

You will need:

1. ADT Base
2. ADT+ app on the latest iOS or Android OS
3. Phillips screwdriver or a drill with a Phillips driver bit (optional)
4. Power drill with drill bits for pilot holes (optional)

Pairing

The ADT Base is the controlling hub that your sensors and smoke detector communicate with. To pair your smoke detector with the ADT Base, just launch your ADT+ app. Once logged in, select **Menu > Devices > (+) Add Device > Sensors and Detectors > Smoke Detector**, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in an ADT system are preconfigured so they will be pre-paired to your system and can be added by simply inserting the battery, as shown in the following steps.

To enable a new sensor:

1. Insert the CR123A battery. Once inserted, the LED will start blinking once per second for 90 seconds, which indicates the sensor is ready to join the network.
2. The device will attempt to join a network for 90 seconds. If all attempts fail, it will stop the pairing process. To start the pairing process again, press and hold the tamper button for 5 seconds, and then release it.

Mapping location

Smoke detectors should be installed in accordance with the NFPA Standard 72 (National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169). For complete coverage, smoke detectors should be installed in all rooms, halls, storage areas, basements, and attics for each family. **For your information, the National Fire Alarm Code, NFPA 72, reads as follows:**

- Install in all guest rooms.
- Install outside of each separate dwelling unit's sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, the distance measured along a path of travel.
- Install on every level of a dwelling unit, including basements.
- Install on every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics.
- Install in the living area of a guest suite.
- Install in the living area of residential board and care occupancy.
- Install in an ambient temperature between 40° to 100°F (4.4° to 37.8°C).

Do not place the device in the following areas:

- Combustion particles are the byproducts of something that is burning. Do not install the smoke detectors to avoid nuisance alarms in or near areas where combustion particles are present, such as kitchens with few windows or poor ventilation, garages where there may be vehicle exhaust, near furnaces, hot water heaters, and space heaters.

- Do not install smoke detectors less than 20 ft (6 m) away from places where combustion particles are normally present, like kitchens. If a 20-foot distance is not possible in your home, try to install the device as far away from the combustion particles as possible, preferably on the ceiling. To prevent nuisance alarms, provide good ventilation in places within 5 ft (1.5 m) of open flame appliances such as furnaces, stoves, and fireplaces.

Mounting your ADT Smoke Detector

Getting started is simple. The ADT Base and Smoke Detector are preconfigured to work together when setting up any smoke detector included with a system order. If you are setting up a smoke detector from an accessory order which doesn't contain an ADT Base, see the pairing section for information about adding your smoke detectors to the ADT Base using your ADT+ app.

To continue with setting up a preconfigured smoke detector, launch your ADT+ app and follow the in-app setup help. Just follow these steps:

- Choose a flat and solid ceiling to set up the smoke detector.
- Draw a 2 in. (5 mm) horizontal line at the place where you are going to set up the device. Draw one mark at each end of the line to locate the screw placement. **Alternative option:** Hold the bracket up to the ceiling and mark inside each of the two oval cutouts to locate the screw placement.
- Drill two holes at the marks and insert wall plugs if needed.
- Attach the bracket to the ceiling using the two supplied screws.
- Attach the device onto the mounting bracket and turn it clockwise to fix it into place. Make sure it is securely attached to the mounting bracket.

Key information

If the smoke detector sounds:

- Do not panic. Stay calm. Follow your family's escape plan.
- Get out of the house as quickly as possible. Do not stop to get dressed or collect anything.
- Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Do not open a hot door. Keep doors and windows closed unless you must escape through them.
- Cover your mouth and nose with a cloth (preferably damp). Take short, shallow breaths.
- Meet at your planned meeting place after leaving the house.
- Call the fire department as soon as possible from outside your house. Give the address and your name.
- Never go back inside a burning building. Contact your local fire department. They will give you more ideas about how to make your home safer from fires and how to plan your family's escape.

Required weekly testing:

- Never use an open flame of any kind to test this smoke detector. You might accidentally damage or set fire to the device or your home.
- If the smoke detector ever fails to test properly, replace it immediately. Products under warranty can be returned to the manufacturer for replacement.
- **It is important to test this unit every week to make sure it is working properly.** Using the Test/Silence button is the recommended way to test this smoke detector. Press and hold the Test/Silence button until the alarm sounds (the unit may continue to make an alarm sound for a few seconds after you release the button). If it does not alarm, make sure the smoke detector's

battery is installed and test it again. If it still does not alarm, replace it immediately. During testing, you will hear a loud and repeating horn pattern: 3 beeps, pause, 3 beeps, and a pause. Also, you will see the **red** LED flashing rapidly.

LED lights/sound key:

- **Standby:** The ADT Smoke Detector is under normal operation if the red LED flashes once every 344 seconds (5.7 minutes).
- **Low battery:** The buzzer beeps every 43 seconds.
- **EOL of IR LED:** (End of life of the infrared LED) The buzzer beeps 3 times every 43 seconds. If this signal occurs, the device will no longer work to sense smoke and must be replaced.
- **Alarm:** The red LED flashes continuously, and the buzzer sounds repetitively with 3 beeps, a pause, and 3 beeps.
- **Pairing:** When the device is pairing with the ADT system, it flashes once per second for 90 seconds.
- **To silence:** If the device is alarming, pressing the Test/Silence button will silence it. If the smoke still remains after 10 minutes, the device will alarm again.

Battery replacement:

- Open the battery cover of the device.
- Insert the supplied battery correctly.
- Close the battery cover.
- The LED starts blinking when it is ready to pair with the ADT system.
- Please only use a CR123A 3V battery.

Regular maintenance:

- Clean the smoke detector at least once a month. Gently vacuum the outside of the smoke sensing chamber using a household vacuum's soft brush attachment. A can of compressed air may also be used to blow out any potential dirt that may be located inside the sensing chamber.
- Test the smoke detector after cleaning it.
- Never use water, cleaners, or solvents since they may damage the unit.

Smoke Detector Functional Testing (To be performed at least once per year)

To perform go/no go field testing of the ADT Smoke Detectors, obtain a can of UL/ANSI approved canned smoke. With the Smoke Detector mounted to the ceiling or wall, follow the directions as specified on the can and spray the canned smoke in the direction of the Smoke Detector for 2-3 seconds. The Smoke Detector should sound an alarm within approximately 5 seconds of the canned smoke being sprayed. If the first test does not trigger an alarm, another 2-3 second spray may be necessary. If the unit fails to sound, check the batteries. If the batteries are weak, replace them and retest. If the unit continues to not operate properly it must be replaced immediately.

Warnings

- **The smoke detector is used as a single station alarm.**
  The device's primary feature is its alarm sound, and its secondary feature is to send events messages to the cloud service via a smart home device. If the network is down or signal is interrupted, **Smoke Alarm, Test Mode, and Low Battery** functions will still operate locally via an audible alert.

- **Hearing-impaired residents may not hear the smoke detector's alarm.** Specially designed units such as those with visual and audible alarms should be installed for hearing-impaired residents.
- **The smoke detector's alarm may not awaken all individuals if they are sound sleepers.** If children or other family members do not awaken readily to the sound of the smoke detector's alarm, or if there are infants or members with mobility limitations, make sure someone is assigned to assist them in the fire drill and in the event of an emergency. It is the responsibility of individuals in the household who are capable of assisting others to help those who may not be awakened by the smoke detector's alarm sound, or to help those who may be incapable of safely evacuating the area unassisted.
- **The smoke detector's alarm has a limited lifespan.** Although this smoke detector has passed many tests and is designed to be as reliable as possible, any of the parts could fail at any time. Therefore, **you must test this device weekly.** Replace the device immediately if it is not operating properly.

THIS UNIT INCLUDES AN OPTIONAL ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM SMOKE ALARM SIGNAL FROM THE ATTACHED SMOKE DETECTORS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. ONLY ADT APPROVED SMOKE DETECTORS SHALL BE CONNECTED TO THESE UNITS

(Zone)	Control Unit Delay Seconds	Smoke Detector	
		Model	Delay - Seconds
V4 Smoke Detector	0-60	SSS1R0-29	0
Smoke and Supplemental Heat Detector	0-60	SSS5R0-29	0
Smoke, CO, and Supplemental Heat Detector	0-60	SSSX5R0-29	0

Factory resetting your ADT Smoke Detector

To factory reset your device:

1. Remove the battery from the smoke detector.
2. Press and hold the tamper button while inserting the battery.
3. Release the tamper button within 4 seconds of inserting the battery back into the smoke detector. *Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device*.

Important safety information

1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.

4. Do not set up near any heat sources such as radiator, heat registers, stoves, or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Use only with the stand, tripod, or bracket specified by the manufacturer or sold with the device.
7. Do not store batteries with hazardous or combustible materials.
8. Keep batteries away from children.
9. Store spare batteries in a cool, dry, and ventilated area.
10. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.
11. Batteries can explode, catch fire, and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells), or exposed to water, fire or high temperatures.
12. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.
13. Disposing of your device and old battery; ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit www.call2recycle.org and in the "Find a recycling location" field enter your Zip code to find your nearest battery recycling facility.
14. Do not drop the device or subject it to physical shock.
15. Do not use high voltage products around this device (e.g., electrical swatter) on this product may malfunction due to electrical shock.
16. **WARNING:** This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
17. **CAUTION:** To ensure the product's life and quality is as expected, please replace the whole device after it is triggered by a fire event. Risk of explosion if the battery is replaced by an incorrect type.

V4 Smoke Detector operating specifications

Temperature:
40° to 100°F (4.4° to 37.8°C) at 10-95% relative humidity, non-condensing

4.5. ADT Motion Sensor (SSM5R0-29-WH)

The ADT Motion Sensor protects the interior of your home. The Sensor can detect levels of infrared radiation from the human body in its range of view. When heat is detected, and your security sensor is armed, it will trigger the alarm. This Sensor is set up by default to be used only in Away mode when all people have left the house.

Before you get started

You will need:

- ADT Base
- ADT+ App on the latest iOS or Android OS
- Phillips screwdriver or a drill with a Phillips driver bit (optional)
- Power drill with drill bits for pilot holes (optional)

Setting up your ADT Motion Sensor
1.Open the ADT+ App and log in to an existing account.
2**.** Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Motion Sensor.**
3. Follow the in-app steps to power on the sensor and mount it properly.

Pairing

The ADT Base is the controlling Base that your sensors communicate with. To pair your sensors with the ADT Base, just launch your ADT+ App. Once logged in, select **Menu > Devices > (+) Add Device > Sensors and Detectors > Motion Sensor**, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in an ADT system are preconfigured so they will be pre-paired to your system and can be added by simply removing the battery tab, as shown in the following steps.

To enable a new sensor:

1. Pull the exposed plastic battery tab from the back of the sensor.
2. The ADT Motion Sensor LED will begin to flash blue to indicate that the sensor is booting.
3. The LED will continue to blink once per second while attempting to pair with the ADT Base.
4. If a network is not found after 90 seconds, the sensor will go into sleep mode. To wake the sensor again, remove the battery and reinsert it while holding the tamper button.
5. If pairing is successful, the ADT Motion Sensor LED will be solid on for 3 seconds.
6. To make sure the detection function is working properly, a walk test should be performed annually. (Future Capability)

Mapping location

This sensor is intended to be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, UL 1641.

Before selecting a position for the sensor, the following should be noted:

1. Do not position the motion sensor facing a window or direct sunlight.
2. The device is not suitable for use in drafty areas, such as where an air conditioner or fan is installed. Excessive air movement may cause a false alarm.
3. Avoid aiming the sensor directly at heat sources like fireplaces, radiators, etc.
4. Mount the sensor in a location where the logical path of an intruder would cut across the viewpoint of the sensor rather than directly toward the device.
5. Before permanently mounting the motion sensor, perform a walk test to ensure the detection coverage is valid. (Future Capability)

Note: A recommended mounted position for a motion sensor should be 6.5 ft from the floor in the corner of a room (a corner mount is needed). At this height, the device can detect any movement up to 32 ft (±3 ft). Also, a corner-mounted motion sensor can normally offer a greater range of protection than a motion sensor that is mounted flat to the wall.

Mounting your ADT Motion Sensor

TIP: Make sure your Motion Sensor is paired with the ADT Base before beginning the mounting process for overall ease of installation.

Note: Similar to the ADT Door/Window Sensor, the ADT Motion Sensor cover has markings representing lock and unlock positions. The position chosen is determined by where the black tab on the sensor

mounting plate points to. If it aligns with the Lock symbol on the side of the sensor cover then the sensor cover is locked onto the sensor base. If it is aligned with the straight line on the sensor cover then the sensor cover is unlocked and can be safely removed.

Corner mounting

1. Remove the back cover bracket from the ADT Motion Sensor.
2. Mount the bracket with the supplied screws and anchors into the wall's corner at your desired detection range height. Another mounting option available is to use the supplied double-sided tape to attach the back cover to the wall's corner.

Note: Make sure the mounting bracket is set up in the correct direction (upward arrow).

3. Attach the device to the mounting bracket by lining up the 4 pegs from the bracket to the 4 holes in the back of the motion sensor and pulling the sensor down to lock it into place.

Wall mounting

1. Use the provided double-sided tape adhered to the backside of the motion sensor or use the provided screws/anchors to mount it onto the wall.

Note: First, clean the wall area and allow it to fully dry before mounting your sensor with double-sided tape.

2. Remove the backing and press and hold the device to the wall for 30 seconds. To mount the sensor using screws, remove the rear cover and use the supplied screws and anchors to mount the rear cover to the wall (note the arrow pointing to "TOP"). Once the rear cover is secured, attach the device to the mounting bracket by lining up the 4 pegs from the bracket to the 4 holes in the back of the motion sensor and pulling the sensor down to lock it into place.

Resetting your ADT Motion Sensor

- Remove the sensor's battery cover by sliding it to the unlock position before removing.
- Remove the CR123A battery from the sensor.
- Press and hold the tamper button for 20 seconds while reinserting the battery.
- Release the tamper button and place the sensor's battery cover back on and slide the cover into the locked position.

Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device using the ADT+ App.
Note: Replace with a CR123A battery only.

Test the ADT Motion Sensor (Future Capability)
Move away from the area that is in direct line of sight of the motion sensor (move to an adjacent room). Wait 3 minutes. Using the ADT+ App go to **Settings > System Tests > Sensor/Siren Test** and enable Sensor test.

a) Move back into the line of sight of the motion sensor (this will trigger the device). If the motion sensor test is successful, the screen will display a message like the following: "Motion Sensor xxx – Motion Detected". If this message does not appear either the 3-minute wait period since the last trigger has not expired, or b) the motion sensor is not in communication with the ADT system. If you want to restart the walk test period again, remove the battery, wait 30 seconds, and then reinsert the battery. The ADT system will not lose the programming.

Note: In addition to the on-screen message being displayed on the ADT+ App when motion is detected during a walk test, an event is also posted in the History Log (as are all events).

Battery installation and replacement

Replace low batteries with a model CR123A battery, available from www.ADT.com or other retailers. To install or replace the battery:

1. Open the ADT Motion Sensor by sliding the sensor cover to the unlocked position and remove it from the mounting bracket.
2. Remove the existing battery and dispose of it properly.
3. Replace with a new CR123A battery, noting the correct polarity as indicated on the battery and housing.
4. Verify operation after replacing the cover and sliding it into the locked position.

Warning: the polarity of the battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with a CR123A battery (brands include: Great Power, and Lisun). Batteries must not be recharged, disassembled, or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area.

Keep away from small children. If batteries are swallowed, immediately see a doctor.

California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Important safety information

1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Do not store batteries with hazardous or combustible materials.
7. Keep batteries away from children.
8. Store spare batteries in a cool, dry, and ventilated area.
9. Batteries can explode, catch fire, and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells), or exposed to water, fire, or high temperatures.
10. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.
11. Disposing of your device and old battery; ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit www.call2recycle.org and in the "Find a recycling location" field enter your Zip code to find your nearest battery recycling facility.
12. Do not drop the device or subject it to physical shock.

13. Do not use high voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
14. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
15. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

Operating specifications
Temperature: 32° to 104°F (0° to 40°C) at 5-95% relative humidity, non-condensing

4.6. **ADT Water and Temperature Sensor (SSW5R0-29-WH)**

The ADT Water and Temperature Sensor provides two functions. First, it can detect the existence of water in the room where the device is located and second, it can monitor the current temperature in the room where the device is installed. This sensor is small, easy-to-use, and fits almost anywhere. When the sensor detects the presence of water it communicates that information to the ADT Base and the Base sounds an alarm. The ADT Water and Temperature Sensor also monitors the current temperature where the device is located and reports that information on the Device List.

Note: The ADT Water and Temperature Sensor updates the actual temperature value approximately every 15 minutes so there might be a delay in seeing temperature changes on the ADT+ App.

Before you get started, you will need:

- ADT Base
- ADT+ App on the latest iOS or Android OS

Pairing
The ADT Base is the controlling Base that your sensors communicate with. To pair your sensors with the ADT Base, just launch your ADT+ App. Once logged in, select **Menu > Devices > (+) Add Device > Sensors and Detectors > Water and Temperature Sensor**, and follow the in-app setup help to pair your sensor.
Note: Sensors and devices in an ADT system are preconfigured so they will be pre-paired to your system and can be added by simply removing the battery tab, as shown in the following steps.

Note: Do not attempt to pry off the bottom cover of the ADT Water and Temperature Sensor as this will result in damage to the device.

The bottom panel of the ADT Water and Temp Sensor can be removed by turning the unit upside down and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about a half inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery compartment. Install the battery supplied with the device taking care of the correct polarity when inserting the batteries. Reposition the bottom cover by aligning the vertical bar on the cover with the vertical bar on the side of the ADT Water & Temp Sensor. Once the two vertical bars are aligned, gently turn the bottom cover in a clockwise direction until it snaps back into place and the lock symbol is aligned with the vertical bar on the device housing.

To enable a new sensor:

1. Remove the top cover of the sensor as described above.
2. Insert battery into the sensor taking care of the correct polarity.
3. The sensor's LED indicator will blink while it attempts to pair with the ADT Base.
4. If a network is not found after 90 seconds, the sensor will go into sleep mode. To wake the sensor again, press and hold the pairing button for 20 seconds and then release the button to restart the pairing cycle.
5. Replace the top cover of the device.

Mounting your ADT Water and Temperature Sensor

The Water and Temperature sensor can be placed on the ground or mounted onto a wall.

Ground

The sensor detects water through the 2 gold probes protruding through the bottom of the unit. Place the sensor on the floor in the area to be monitored with the probes facing downward.

Wall mounting

For wall mounting, the sensor must use the external extension probe.

1. Remove the waterproof plug that covers the micro-USB connector and insert the sensor probe.
2. Place the contacts at the end of the extension probe on the surface to be monitored and secure the end of the probe to the wall with the screw provided. Both contacts on the end of the sensor probe will need to be in contact with water for the Water and Temperature sensor to function properly so it should be mounted as level as possible.
3. Use the provided screws to mount the sensor bracket to the wall making sure that the ADT logo is right side up.
4. Slide the sensor into the mounting bracket ensuring that the sensor probe wire goes through the cutout in the bottom of the bracket.

Once the sensor is installed on the ground or on the wall using the sensor probe, the user should verify the device operation by placing a wet napkin (or something similar) under the device, if floor mounting, or at the end of the probe if installed on the wall. Once the probes come in contact with the damp/wet material, the ADT Base should alert accordingly. This is the only way to confirm that the device is operating properly.

In addition to the physical installation of the sensor, it is also necessary to verify the signal strength. There is a Device information tab in the ADT+ App that includes a Device Status section. As part of that status information, the current Connection Signal Strength is displayed (Strong, Good, Okay, Weak, and Offline). The user should confirm that the Connection Signal Strength value is at a minimum of Okay to ensure that the sensor will be able to communicate water/moisture events when they are detected, to the ADT Base.

Operation

1. The sensor's LED is off during normal operation.
2. When the probes come into contact with water, the sensor will transmit an alarm signal to the ADT Base and the Base will audibly and visually alarm.

3. The ADT Base will continue to alarm until the system is deactivated or after 5 minutes of alarming. Once the system is deactivated, the water sensor's fault is cleared, and the device will return to its normal operation mode.

Factory resetting your ADT Water and Temperature Sensor

To factory reset your device:

1. Open the sensor's top cover.
2. Remove the CR123A battery.
3. Wait 10 seconds, and then reinsert the battery.
4. The sensor should illuminate the LED once when boot-up/initialization tasks are complete.
5. Place the cover back on the sensor.
   Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.

Battery replacement:

- Open the sensor's top cover.
- Insert the replacement battery correctly.
- LED starts blinking when it is ready to join the ADT system.
- Close the sensor's top cover.
  Note: Replace the battery with a CR123A battery only.

Important safety information

1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Do not store batteries with hazardous or combustible materials.
7. Keep batteries away from children.
8. Store spare batteries in a cool, dry, and ventilated area.
9. Batteries can explode, catch fire, and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells), or exposed to water, fire, or high temperatures.
10. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.
11. Disposing of your device and old battery; ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit www.call2recycle.org and in the "Find a recycling location" field enter your Zip code to find your nearest battery recycling facility.
12. Do not drop the device or subject it to physical shock.
13. Do not use high voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
14. **WARNING:** This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
15. **CAUTION:** Risk of explosion if the battery is replaced by an incorrect type.

Water & Temperature sensor operating specifications

Temperature:
32° to 104°F (0° to 40°C) at 10-80% relative humidity, non-condensing

4.7. ADT Indoor Siren (SAH5R0-29-WH)

Your ADT Indoor Siren amplifies an alarm that is set off. When a sensor is tripped, the Indoor Siren will sound an alarm along with your ADT Base. Place this siren in a location away from your ADT Base where you want to be able to hear an alarm. The ADT Indoor Siren can be mounted on the wall or ceiling.

The Indoor Siren sounds during an alarm event. These audible notifications are in addition to any that are coming from the ADT Base and/or Keypad. The following table compares the audible notifications heard from the ADT Base versus what is heard from the ADT Indoor Siren for each type of action.

ACTION	ADT Base	ADT Indoor Siren
Burglary Alarm	Piezo – Burglary Sound	Piezo – Default Siren Sound
Panic - Police	Piezo - Burglary Sound	Piezo – Default Siren Sound
V4 Smoke	Piezo – 3 Beep Cadence	Piezo – 3 Beep Cadence
V5 Smoke	Piezo – 3 Beep Cadence	Piezo – 3 Beep Cadence
Panic – Fire	Piezo – 3 Beep Cadence	Piezo – 3 Beep Cadence
CO Alarm	Piezo – 4 Beep Cadence	Piezo – 4 Beep Cadence
Panic – Medical	Piezo – Medical Sound	Piezo – Default Siren Sound

Note: The factory applied finish on the ADT Indoor Siren should not be changed by the consumer as it may result in incorrect operation or failure of the device. Any explicit or implied product warranties will be voided if the factory applied finish is changed.

Setting up your ADT Indoor Siren
1. Open the ADT App and log in to an existing account.
2. Select **Menu > Devices > (+) Add Device > Security Devices > Indoor Siren.**
3. Follow the in-app steps to power on the siren and mount it properly.

Open the battery cover located on the back of the device.

Note: Do not attempt to pry off the bottom cover of the ADT Indoor Siren as this will result in damage to the device.

The bottom panel of the ADT Indoor Siren can be removed by turning the unit upside and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about a half inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery compartment. Install the batteries supplied with the device taking care of the correct polarity when inserting the batteries. Reposition the bottom cover by aligning the tab on the cover with the vertical mark on the side

of the ADT Indoor Siren. Once the tab and the vertical bar are aligned, gently turn the bottom cover in a clockwise direction until it snaps back into place and the lock symbol is aligned with the vertical bar on the device housing.

The LED light on the front of the device will start blinking blue when it is ready to pair with the ADT Base.

Mounting tips:

- If mounting with the provided double-sided tape, ensure wall/ceiling surface is clean and dry by using the enclosed alcohol wipe.
- This device can be mounted to a wall or ceiling.
- Place it near an entry to scare away intruders or use it as a secondary siren to the ADT Base in larger spaces.
- **Note:** You may need a drill and Phillips screwdriver.

Operating specifications
Temperature: 32° to 131°F (0° to 55°C) at 5-95% relative humidity, non-condensing

Siren loudness: 85 dBA

Test Siren Function
You can locally test the ADT Indoor Siren by pressing the button on the front cover. When the siren button is held for 3 seconds (when not sounding), the siren sounds until the button is released.

Silence Alarm Function
In order to silence the siren when it is sounding, you must hold down the button for 3 seconds.

Resetting your ADT Indoor Siren

- Remove the siren's battery cover. (See note above regarding back cover removal).
- Remove the 2 CR123A batteries from the siren.
- Press and hold the tamper button for 20 seconds while reinserting the first battery.
- Release the tamper button.
- Insert the second battery and place the siren's battery cover back on.

Note: If the siren is reset while already paired to your account, it will be removed and will need to be set up as a new device.
Note: Replace with 2 CR123A batteries only.

4.8. ADT Heat Detector (SSHE5R0-29-WH)

Before you get started

You will need:

1. ADT Base

2. ADT+ app on the latest iOS or Android OS
3. Phillips screwdriver or a drill with a Phillips driver bit (optional)
4. Power drill with drill bits for pilot holes (optional)

Your ADT Heat Detector monitors your house for the presence of excess heat. If the detector identifies excess heat, an alarm will sound on your detector and your ADT Base. This detector must be tested and maintained regularly.

Setting up your ADT Heat Detector

1. Open the ADT+ app.

2. Log into an existing account.

3. Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Heat Detector.**

4. Follow the in-app steps to power on your detector and mount it properly.

Note: Do not attempt to pry off the bottom cover of the ADT Heat Detector as this will result in damage to the device.

The bottom panel of the ADT Heat Detector can be removed by turning the unit upside and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about a half inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery compartment. Install the batteries supplied with the device taking care of the correct polarity when inserting the batteries. Reposition the bottom cover by aligning the tab on the cover with the vertical mark on the side of the ADT Heat Detector. Once the tab and the vertical bar are aligned, gently turn the bottom cover in a clockwise direction until it snaps back into place and the lock symbol is aligned with the vertical bar on the device housing.

Open the battery door on the back of your ADT Heat Detector.

Place the provided batteries into the device, noting the correct orientation of positive (+) and negative (-) ends, and close the battery door.

The LED indicator will begin to flash blue to indicate that the detector is booting and ready to pair with the ADT Base.

Operating specifications

Temperature: 32° to 100°F (0° to 38°C) at 10% to 95% relative humidity, non-condensing. The ADT Heat detector can be used in garages, attics, and basements if it meets the operating temperature of 32 F–100F.

135°F Fixed Temperature & 15°F/min Rate of Rise Heat Alarm, 50 ft spacing

Replace with 2 Lisun/Great Power CR123A batteries only.

Mapping location for mounting

The ADT Heat detector can be installed in areas where combustion particles may exist. Typically, they are used in garages, attics, and utility rooms. The units may be mounted on the wall or ceiling. The unit should be mounted 6" or more from an adjacent wall or ceiling.

Note: Do not place the device immediately next to a direct source of heat such as a furnace, stove, fireplace, etc.

Section 4.1.1 of this document includes additional information related to base and sensor placement, wireless performance, etc.

Operation, Controls and Indicators

- Normal standby – Unit will monitor its ambient temperature, run internal tests, and send a keep alive message to the base every 60 minutes.
- Alarm – In the event of an alarm condition (temperature above 135°F or temperature rise in excess of 15°F per minute), the piezo siren will sound a 3-beep cadence and the LED will flash red in time with the siren. Base will be notified of the alarm and will sound its internal siren. Base will trigger other devices to also sound their sirens.
- Alarm Silence - The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition continues, the siren will resume after ~3 minutes
- Alarm Test - If the siren is not sounding, you can press and hold the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 3-beep cadence. The ADT+ app will also display the results of the self-test.
- Alarm Reset – The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition resolves itself within ~3 minutes, the alarm will again be ready to perform.
- Trouble – If the Heat detector fails its internal test, it will chirp the siren twice every 100 seconds and flash the LED yellow, as well as signal the fault to the base at its regular check in time. Trouble alert cannot be silenced, and the faulted unit should be replaced immediately.
- Low Battery - Under a low battery condition, the LED will blink red and siren chirp once every 20 seconds. Low battery condition begins approximately 60 days before the battery end of life. All the device batteries should be replaced.
- Critical Low Battery - Under a critical low battery condition, the LED will blink red and siren chirp once every 10 seconds. Critical Low battery begins approximately 14 days before the battery end of life. All the device batteries must be replaced immediately.
- End of Life (EOL) - Units have a 10-year operational lifetime. After 10 years of use, EOL is indicated by emitting 5 beeps approximately every 30 seconds alongside a red LED. Pressing the TEST/SILENCE button for ~ 3 seconds will silence the EOL alarm for ~ 48 hours. After 30 days, the EOL alarm cannot be silenced anymore and will continue to beep. The sensor must be replaced immediately.
- Other Multicolor LED indicator conditions:
    - Blue – Heat sensor is ready to pair with the base
    - Purple – Heat sensor is receiving an over the air firmware update

After installation is complete, perform an alarm test by holding the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 3-beep cadence. The ADT+ app will also display the results of the self-test.

Key information if the heat detector sounds

• Do not panic. Stay calm. Follow your family's escape plan.

• Get out of the house as quickly as possible. Do not stop to get dressed or collect anything.

• Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Do not open a hot door. Keep doors and windows closed unless you must escape through them.

• Cover your mouth and nose with a cloth (preferably damp). Take short, shallow breaths.

• Meet at your planned meeting place after leaving the house.

• Call the fire department as soon as possible from outside your house. Give the address and your name.

• Never go back inside. Contact your local fire department. They will give you more ideas about how to make your home safer and how to plan your family's escape.

• Never ignore any alarm. Ignoring the alarm may result in injury or death.

• Never disconnect the AC power or remove the battery backup to quiet an unwanted alarm. Disconnecting the power disables the alarm so it cannot sense heat. This will remove your protection.

• If the unit alarms and you are not absolutely certain of the source of the heat, get everyone out of the house immediately.

Required monthly testing

• Never use an open flame of any kind to test this heat detector. You might accidentally damage or set fire to the device or your home.

• If the heat detector ever fails to test properly, replace it immediately. Products under warranty can be returned to the manufacturer for replacement.

• It is important to test this unit monthly to make sure it is working properly. Using the Test/Silence button is the recommended way to test this heat detector. Press and hold the Test/Silence button until the alarm sounds (the unit may continue to make an alarm sound for a few seconds after you release the button). If it does not alarm, make sure the heat detector's battery is installed and test it again. If it still does not alarm, replace it immediately. During testing, you will hear a loud and repeating horn pattern: 3 beeps, pause, 3 beeps, and a pause. Also, you will see the **yellow** LED flashing rapidly.

Regular maintenance

• Clean the heat detector at least once a month. A can of compressed air may also be used to blow out any potential dirt.

• Test the heat detector after cleaning it.

• Never use water, cleaners, or solvents since they may damage the unit.

Warnings

• **The ADT Heat detector is intended for connection to a control unit as part of a fire alarm system.** The device's primary feature is to send events messages to the cloud service via a smart home device. Its secondary feature is its alarm sound. If the network is down or signal is interrupted, **Heat Alarm, Test Mode, Trouble Alert and Low Battery** functions will still operate locally via an audible alert.

• **Hearing-impaired residents may not hear the heat detector's alarm.**

Specially designed units such as those with visual and audible alarms should be installed for hearing impaired residents.

• **The ADT Heat detector's alarm may not awaken all individuals if they are sound sleepers.** If children or other family members do not awaken readily to the sound of the heat detector's alarm, or if there are infants or members with mobility limitations, make sure someone is assigned to assist them in the fire drill and in the event of an emergency. It is the responsibility of individuals in the household who are capable of assisting others to help those who may not be awakened by the heat detector's alarm sound, or to help those who may be incapable of safely evacuating the area unassisted.

• **The ADT Heat detector's alarm has a limited lifespan.** Although this heat detector has passed many tests and is designed to be as reliable as possible, any of the parts could fail at any time. Therefore, you must test this device monthly. Replace the device immediately if it is not operating properly.

Important safety information

1. The ADT Heat Detector does not detect the presence of carbon monoxide.

2. Read and keep these instructions.

3. Clean only with a dry cloth.

4. Set up in accordance with the manufacturer's instructions.

5. Do not set up near any heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.

6. Only use attachments/accessories specified by the manufacturer.

7. Use only with the bracket specified by the manufacturer or sold with the device.

8. Do not store batteries with hazardous or combustible materials.

9. Keep batteries away from children.

10. Store spare batteries in a cool, dry and ventilated area.

11. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.

12. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire or high temperatures.

13. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.

14. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit **call2recycle.org** and in the "Find a recycling location" field, enter your ZIP Code to find your nearest battery recycling facility.

15. Do not drop the device or subject it to physical shock.

16. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.

17. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.

18. CAUTION: Risk of explosion if battery is replaced with an incorrect type.

4.9. ADT Carbon Monoxide Detector (SSCO5R0-29-WH)

Before you get started

You will need:

1. ADT Base
2. ADT+ app on the latest iOS or Android OS
3. Phillips screwdriver or a drill with a Phillips driver bit (optional)
4. Power drill with drill bits for pilot holes (optional)

Your ADT Carbon Monoxide Detector monitors your house for the presence of carbon monoxide. If the Detector identifies carbon monoxide, an alarm will sound on your Detector and your ADT Base. The Detector must be tested and maintained regularly.

Setting up your Carbon Monoxide Detector

1. Open the ADT+ app.

2. Log into an existing account.

3. Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Carbon Monoxide Detector.**

4. Follow the in-app steps to power on your detector and mount it properly.

Note: Do not attempt to pry off the bottom cover of the ADT Carbon Monoxide Detector as this will result in damage to the device.

The bottom panel of the ADT Carbon Monoxide Detector can be removed by turning the unit upside and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about a half inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery compartment. Install the batteries supplied with the device taking care of the correct polarity when

inserting the batteries. Reposition the bottom cover by aligning the tab on the cover with the vertical mark on the side of the ADT Carbon Monoxide Detector. Once the tab and the vertical bar are aligned, gently turn the bottom cover in a clockwise direction until it snaps back into place and the lock symbol is aligned with the vertical bar on the device housing.

Open the battery door on the back of your ADT Carbon Monoxide Detector.

Place the provided batteries into the device with correct orientation of positive (+) and negative (-) ends. Then close the battery cover.

The LED indicator will begin to flash blue to indicate that the detector is booting and ready to pair with the ADT Base.

Operating specifications

Temperature: 32° to 100°F (0° to 38°C) at 10% to 95% relative humidity, non-condensing. The ADT CO detector is not suitable for garages. It can be used in attics/basements if it meets the operating temperature of 32 F – 100 F.

CO Sensitivity: 70, 150, 400 PPM

Replace with 2 Lisun/Great Power CR123A batteries only.

Mapping location for mounting

Selecting a suitable location is critical for the CO detector. The Consumer Product Safety Commission (CPSC) recommends using at least one CO detector per household, located as near as possible to sleeping areas of the home, because the human body is most vulnerable to the effects of CO gas during sleeping hours.

For added protection, install additional CO detectors in every bedroom and on every level of your home. If your bedroom hallway is longer than 14 meters (40 feet), install a CO detector at BOTH ends of the hallway. Install an additional detector 6 meters (20 feet) away from the furnace or fuel burning heat source. For maximum protection, the detector should also be located outside primary sleeping areas or at each level of your home. Mount the detector on a firm wall or ceiling.

DO NOT install CO detectors:

• In locations where temperature may be below 0°C (14°F) or above 40°C (104°F).

• Near paint thinner fumes.

• Near air conditioners, furnaces, stoves, fireplaces, and any other ventilation source that may interfere with CO gas entering the detector.

• In locations where furniture or draperies may obstruct the air flow.

• In exhaust streams from gas engines, vents, flues, or chimneys.

• Where dirt or dust could collect and block the sensor and prevent it from working.

• In locations that can be reached by children.

• In turbulent air from ceiling fans.

• In close proximity to an automobile exhaust pipe - this will damage the detector.

Section 4.1.1 of this document includes additional information related to base and sensor placement, wireless performance, etc.

Operation, Controls and Indicators

- Normal standby – Unit will monitor CO level, run internal tests, and send a keep alive message to the base every 60 minutes.
- Alarm – In the event of an alarm condition (prescribed time/CO concentration curves exceeded), the piezo siren will sound a 4-beep cadence and the LED will flash red in time with the siren. Base will be notified of the alarm and will sound its internal siren. Base will trigger other devices to also sound their sirens.
- Alarm Silence - The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition continues, the siren will resume after ~3 minutes
- Alarm Test - If the siren is not sounding, you can press and hold the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 4-beep cadence. The ADT+ app will also display the results of the self-test.
- Alarm Reset – The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition resolves itself within ~3 minutes, the alarm will again be ready to perform.
- Trouble – If the Heat detector fails its internal test, it will chirp the siren twice every 100 seconds and flash the LED yellow, as well as signal the fault to the base at its regular checkin time. Trouble alert cannot be silenced, and the faulted unit should be replaced immediately.
- Low Battery - Under a low battery condition, the LED will blink red and siren chirp once every 20 seconds. Low battery condition begins approximately 60 days before the battery end of life. All the device batteries should be replaced.
- Critical Low Battery - Under a critical low battery condition, the LED will blink red and siren chirp once every 10 seconds. Critical Low battery begins approximately 14 days before the battery end of life. All the device batteries must be replaced immediately.
- End of Life (EOL) - Units have a 10-year operational lifetime. After 10 years of use, EOL is indicated by emitting 5 beeps approximately every 30 seconds alongside a red LED. Pressing the TEST/SILENCE button for ~ 3 seconds will silence the EOL alarm for ~ 48 hours. After 30 days, the EOL alarm cannot be silenced anymore and will continue to beep. The sensor must be replaced immediately.
- Other Multicolor LED indicator conditions:
    - Blue – Heat sensor is ready to pair with the base
    - Purple – Heat sensor is receiving an over the air firmware update

After installation is complete, perform an alarm test by holding the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 4-beep cadence. The ADT+ app will also display the results of the self-test.

Key information if the carbon monoxide detector sounds

• Do not panic. Stay calm. Follow your family's escape plan.

• Get out of the house as quickly as possible. Do not stop to get dressed or collect anything.

• Cover your mouth and nose with a cloth (preferably damp). Take short, shallow breaths.

• Meet at your planned meeting place after leaving the house.

• Call the fire department as soon as possible from outside your house. Give the address and your name.

• Never go back inside. Contact your local fire department. They will give you more ideas about how to make your home safer and how to plan your family's escape.

• NEVER ignore any alarm. Ignoring the alarm may result in injury or death.

• Never disconnect the AC power or remove the battery back-up to quiet an unwanted alarm. Disconnecting the power disables the alarm so it cannot sense carbon monoxide. This will remove your protection.

• If the unit alarms and you are not absolutely certain of the source of the carbon monoxide, get everyone out of the house immediately.

Required monthly testing

• Never use an open flame of any kind to test this carbon monoxide detector. You might accidentally damage or set fire to the device or your home.

• If the carbon monoxide detector ever fails to test properly, replace it immediately. Products under warranty can be returned to the manufacturer for replacement.

• It is important to test this unit monthly to make sure it is working properly. Using the Test/Silence button is the recommended way to test this carbon monoxide detector. Press and hold the Test/Silence button until the alarm sounds (the unit may continue to make an alarm sound for a few seconds after you release the button). If it does not alarm, make sure the carbon monoxide detector's battery is installed and test it again. If it still does not alarm, replace it immediately. During testing, you will hear a loud and repeating horn pattern: 4 beeps, pause, 4 beeps, and a pause. Also, you will see the **yellow** LED flashing rapidly.

Regular maintenance

• Clean the carbon monoxide detector at least once a month. A can of compressed air may also be used to blow out any potential dirt/dust.

• Test the carbon monoxide detector after cleaning it.

• Never use water, cleaners, or solvents since they may damage the unit.

Warnings

• **The ADT Carbon Monoxide Detector is intended for connection to a control unit as part of a fire alarm system.** The device's primary feature is to send events messages to the cloud service via a smart home device. Its secondary feature is its alarm sound. If the network is down or signal is interrupted, **Carbon Monoxide Alarm, Test Mode and Low Battery** functions will still operate locally via an audible alert.

• **Hearing-impaired residents may not hear the carbon monoxide detector's alarm.** Specially designed units such as those with visual and audible alarms should be installed for hearing impaired residents.

• **The ADT Carbon Monoxide Detector's alarm may not awaken all individuals if they are sound sleepers.** If children or other family members do not awaken readily to the sound of the carbon monoxide detector's alarm, or if there are infants or members with mobility limitations, make sure someone is assigned to assist them in the fire drill and in the event of an emergency. It is the responsibility of individuals in the household who are capable of assisting others to help those who may not be awakened by the carbon monoxide detector's alarm sound, or to help those who may be incapable of safely evacuating the area unassisted.

• **The ADT Carbon Monoxide Detector has a limited lifespan.** Although this carbon monoxide detector has passed many tests and is designed to be as reliable as possible, any of the parts could fail at any time. Therefore, you must test this device monthly. Replace the device immediately if it is not operating properly.

Important safety information

1. Read and keep these instructions.

2. Clean only with a dry cloth.

3. Set up in accordance with the manufacturer's instructions.

4. Do not set up near any heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.

5. Only use attachments/accessories specified by the manufacturer.

6. Use only with the bracket specified by the manufacturer or sold with the device.

7. Do not store batteries with hazardous or combustible materials.

8. Keep batteries away from children.

9. Store spare batteries in a cool, dry and ventilated area.

10. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.

11. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire or high temperatures.

12. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.

13. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local

waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit **call2recycle.org** and in the "Find a recycling location" field, enter your ZIP Code to find your nearest battery recycling facility.

14. Do not drop the device or subject it to physical shock.

15. Do not use high-voltage products around this device (e.g. electrical swatter) as this product may malfunction due to electrical shock.

16. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.

17. CAUTION: Risk of explosion if battery is replaced with an incorrect type.

4.10. ADT Smoke and Supplemental Heat Detector (SSS5R0-29-WH)

Before you get started

You will need:

1. ADT Base
2. ADT+ app on the latest iOS or Android OS
3. Phillips screwdriver or a drill with a Phillips driver bit (optional)
4. Power drill with drill bits for pilot holes (optional)

Your ADT Smoke and Supplemental Heat Detector monitors your house for the presence of smoke and excess heat. If the Detector identifies either smoke or excess heat, an alarm will sound on your Detector and your ADT Base. The Detector must be tested and maintained regularly.

Setting up your ADT Smoke and Supplemental Heat Detector

1. Open the ADT+ app.

2. Log into an existing account.

3. Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Smoke and Supplemental Heat Detector.**

4. Follow the in-app steps to power on your detector and mount it properly.

Note: Do not attempt to pry off the bottom cover of the ADT Smoke and Supplemental Heat Detector as this will result in damage to the device.

The bottom panel of the ADT Smoke and Supplemental Heat Detector can be removed by turning the unit upside and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about a half inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery compartment. Install the batteries supplied with the device taking care of the correct polarity when inserting the batteries. Reposition the bottom cover by aligning the tab on the cover with the vertical mark on the side of the ADT Smoke and Supplemental Heat Detector. Once the tab and the

vertical bar are aligned, gently turn the bottom cover in a clockwise direction until it snaps back into place and the lock symbol is aligned with the vertical bar on the device housing.

Open the battery door on the back of your ADT Smoke and Supplemental Heat Detector

Place the provided batteries into the device, noting the correct orientation of positive (+) and negative (-) ends, and close the battery door.

The LED indicator will begin to flash blue to indicate that the detector is booting and ready to pair with the ADT Base.

Operating specifications

Temperature: 32° to 100°F (0° to 38°C) at 10% to 95% relative humidity, non-condensing. The ADT Smoke and Supplemental Heat detector is not suitable for garages. It can be used in attics/basements if it meets the operating temperature of 32 F – 100 F.

Smoke Sensitivity: 1.23%/ft - 2.06%/ft

135°F Fixed Temperature & 15°F/min Rate of Rise Heat Alarm, 50 ft spacing

Replace with 3 Lisun/Great Power CR123A batteries only.

Mapping location for mounting

Smoke detectors are not to be used with detector guards unless the combination has been evaluated and found suitable for that purpose.

Smoke and Supplemental Heat detectors should be installed in accordance with the NFPA Standard 72 (National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169). For complete coverage, Smoke and Supplemental Heat detectors should be installed in all rooms, halls, storage areas, basements and attics for each family. For your information, the National Fire Alarm Code, NFPA 72, reads as follows:

• Install in all guest rooms.

• Install outside of each separate dwelling unit’s sleeping area, within 21 ft. (6.4 m) of any door to a sleeping room, the distance measured along a path of travel.

• Install on every level of a dwelling unit, including basements.

• Install on every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics.

• Install in the living area of a guest suite.

• Install in the living area of residential board and care occupancy.

• Install in an ambient temperature between 40° to 100°F (4.4° to 37.8°C).

Do not place the device in the following areas:

• Combustion particles are the byproducts of something that is burning. Do not install the smoke detectors to avoid nuisance alarms in or near areas where combustion particles are present, such as kitchens with few windows or poor ventilation, garages where there may be vehicle exhaust, near furnaces, hot water heaters, and space heaters.

Do not install Smoke and Supplemental Heat detectors less than 20 ft. (6 m) away from places where combustion particles are normally present, like kitchens. If a 20-foot distance is not possible in your home, try to install the device as far away from the combustion particles as possible, preferably on the ceiling. To prevent nuisance alarms, provide good ventilation in places within 5 ft. (1.5 m) of open flame appliances such as furnaces, stoves, and fireplaces.

Section 4.1.1 of this document includes additional information related to base and sensor placement, wireless performance, etc.

Operation, Controls and Indicators

- Normal standby – Unit will monitor the smoke chamber, its ambient temperature, run internal tests, and send a keep alive message to the base every 60 minutes.
- Alarm – In the event of an alarm condition (smoke above the rated obscuration level, temperature above 135°F or temperature rise in excess of 15°F per minute), the piezo siren will sound a 3-beep cadence and the LED will flash red in time with the siren. Base will be notified of the alarm and will sound its internal siren. Base will trigger other devices to also sound their sirens.
- Alarm Silence - The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition continues, the siren will resume after ~3 minutes
- Alarm Test - If the siren is not sounding, you can press and hold the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 3-beep cadence. The ADT+ app will also display the results of the self-test.
- Alarm Reset – The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition resolves itself within ~3 minutes, the alarm will again be ready to perform.
- Trouble – If the Smoke and Supplemental Heat detector fails its internal test, it will chirp the siren twice every 100 seconds and flash the LED yellow, as well as signal the fault to the base at its regular checkin time. Trouble alert cannot be silenced, and the faulted unit should be replaced immediately.
- Low Battery - Under a low battery condition, the LED will blink red and siren chirp once every 20 seconds. Low battery condition begins approximately 60 days before the battery end of life. All the device batteries should be replaced.
- Critical Low Battery - Under a critical low battery condition, the LED will blink red and siren chirp once every 10 seconds. Critical Low battery begins approximately 14 days before the battery end of life. All the device batteries must be replaced immediately.
- End of Life (EOL) - Units have a 10-year operational lifetime. After 10 years of use, EOL is indicated by emitting 5 beeps approximately every 30 seconds alongside a red LED. Pressing the TEST/SILENCE button for ~ 3 seconds will silence the EOL alarm for ~ 48 hours. After 30 days, the EOL alarm cannot be silenced anymore and will continue to beep. The sensor must be replaced immediately.
- Other Multicolor LED indicator conditions:

- Blue – Heat sensor is ready to pair with the base.
- Purple – Heat sensor is receiving an over the air firmware update.

After installation is complete, perform an alarm test by holding the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 3-beep cadence. The ADT+ app will also display the results of the self-test.

Key information if the Smoke and Supplemental Heat detector sounds

• Do not panic. Stay calm. Follow your family's escape plan.

• Get out of the house as quickly as possible. Do not stop to get dressed or collect anything.

• Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Do not open a hot door. Keep doors and windows closed unless you must escape through them.

• Cover your mouth and nose with a cloth (preferably damp). Take short, shallow breaths.

• Meet at your planned meeting place after leaving the house.

• Call the fire department as soon as possible from outside your house. Give the address and your name.

• Never go back inside a burning building. Contact your local fire department. They will give you more ideas about how to make your home safer from fires and how to plan your family's escape.

• NEVER ignore any alarm. Ignoring the alarm may result in injury or death.

• Never disconnect the AC power or remove the battery back-up to quiet an unwanted alarm. Disconnecting the power disables the alarm so it cannot sense heat. This will remove your protection.

• If the unit alarms and you are not absolutely certain of the source of the heat, get everyone out of the house immediately.

Required monthly testing

• Never use an open flame of any kind to test this Smoke and Supplemental Heat detector. You might accidentally damage or set fire to the device or your home.

• If the Smoke and Supplemental Heat detector ever fails to test properly, replace it immediately. Products under warranty can be returned to the manufacturer for replacement.

• It is important to test this unit every week to make sure it is working properly. Using the Test/Silence button is the recommended way to test this Smoke and Supplemental Heat detector. Press and hold the Test/Silence button until the alarm sounds (the unit may continue to make an alarm sound for a few seconds after you release the button). If it does not alarm, make sure the Smoke and Supplemental Heat detector's battery is installed and test it again. If it still does not alarm, replace it immediately. During testing, you will hear a loud and repeating horn pattern: 3 beeps, pause, 3 beeps, and a pause. Also, you will see the **yellow** LED flashing rapidly.

Regular maintenance

• Clean the Smoke and Supplemental Heat detector at least once a month. Gently vacuum the outside of the smoke sensing chamber using a household vacuum's soft brush attachment. A can of compressed air may also be used to blow out any potential dirt that may be located inside the sensing chamber.

• Test the Smoke and Supplemental Heat detector after cleaning it.

• Never use water, cleaners, or solvents since they may damage the unit.

Smoke Detector Functional Testing (To be performed at least once per year)

To perform go/no go field testing of the ADT Smoke Detectors, obtain a can of UL/ANSI approved canned smoke. With the Smoke Detector mounted to the ceiling or wall, follow the directions as specified on the can and spray the canned smoke in the direction of the Smoke Detector for 2-3 seconds. The Smoke Detector should sound an alarm within approximately 5 seconds of the canned smoke being sprayed. If the first test does not trigger an alarm, another 2-3 second spray may be necessary. If the unit fails to sound, check the batteries. If the batteries are weak, replace them and retest. If the unit continues to not operate properly it must be replaced immediately.

Warnings

• **The Smoke and Supplemental Heat detector is intended for connection to a control unit as part of a fire alarm system.** The device's primary feature is to send events messages to the cloud service via a smart home device. Its secondary feature is its alarm sound. If the network is down or signal is interrupted, **Smoke Alarm, Test Mode and Low Battery** functions will still operate locally via an audible alert.

• **Hearing-impaired residents may not hear the Smoke and Supplemental Heat detector's alarm.** Specially designed units such as those with visual and audible alarms should be installed for hearing impaired residents.

• **The Smoke and Supplemental Heat detector's alarm may not awaken all individuals if they are sound sleepers.** If children or other family members do not awaken readily to the sound of the Smoke and Supplemental Heat detector's alarm, or if there are infants or members with mobility limitations, make sure someone is assigned to assist them in the fire drill and in the event of an emergency. It is the responsibility of individuals in the household who are capable of assisting others to help those who may not be awakened by the smoke detector's alarm sound, or to help those who may be incapable of safely evacuating the area unassisted.

• **The Smoke and Supplemental Heat detector's alarm has a limited lifespan.** Although this Smoke and Supplemental Heat detector has passed many tests and is designed to be as reliable as possible, any of the parts could fail at any time. Therefore, you must test this device weekly. Replace the device immediately if it is not operating properly.

THIS UNIT INCLUDES AN OPTIONAL ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM SMOKE ALARM SIGNAL FROM THE ATTACHED SMOKE DETECTORS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. ONLY ADT APPROVED SMOKE DETECTORS SHALL BE CONNECTED TO THESE UNITS.

(Zone)	Control Unit Delay Seconds	Smoke Detector	
		Model	Delay - Seconds

V4 Smoke Detector	0-60	SSS1R0-29	0
Smoke and Supplemental Heat Detector	0-60	SSS5R0-29	0
Smoke, CO, and Supplemental Heat Detector	0-60	SSSX5R0-29	0

Important safety information

1. The ADT Smoke and Supplemental Heat Detector does not detect the presence of carbon monoxide.

2. Read and keep these instructions.

3. Clean only with a dry cloth.

4. Set up in accordance with the manufacturer's instructions.

5. Do not set up near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.

6. Only use attachments/accessories specified by the manufacturer.

7. Use only with the bracket specified by the manufacturer or sold with the device.

8. Do not store batteries with hazardous or combustible materials.

9. Keep batteries away from children.

10. Store spare batteries in a cool, dry, and ventilated area.

11. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.

12. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire, or high temperatures.

13. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.

14. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit **call2recycle.org** and in the "Find a recycling location" field, enter your ZIP Code to find your nearest battery recycling facility.

15. Do not drop the device or subject it to physical shock.

16. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.

17. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.

18. CAUTION: Risk of explosion if battery is replaced with an incorrect type.

4.11. ADT Smoke, CO, and Supplemental Heat Detector (SSSX5R0-29-WH)

Before you get started

You will need:

1. ADT Base
2. ADT+ app on the latest iOS or Android OS
3. Phillips screwdriver or a drill with a Phillips driver bit (optional)
4. Power drill with drill bits for pilot holes (optional)

Your ADT Smoke, CO, and Supplemental Heat Detector is a combination device which monitors your house for the presence of smoke, carbon monoxide, and excess heat. If the Detector identifies the presence of either smoke, CO, or excess heat, an alarm will sound on your Detector and your ADT Base. The Detector must be tested and maintained on a regular basis.

Setting up your ADT Smoke, CO, and Supplemental Heat Detector

1. Open the ADT+ app.

2. Log into an existing account.

3. Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Smoke, CO, and Supplemental Heat Detector.**

4. Follow the in-app steps to power on your detector and mount it properly.

Note: Do not attempt to pry off the bottom cover of the ADT Smoke, CO, and Supplemental Heat Detector as this will result in damage to the device.

The bottom panel of the ADT Smoke, CO, and Supplemental Heat Detector can be removed by turning the unit upside and gently twisting the bottom panel in a counterclockwise direction. Rotate the bottom panel about a half inch to unlock it from the unit. Once it is unlocked, the bottom panel can be lifted off to reveal the battery compartment. Install the batteries supplied with the device taking care of the correct polarity when inserting the batteries. Reposition the bottom cover by aligning the tab on the cover with the vertical mark on the side of the ADT Smoke, CO, and Supplemental Heat Detector. Once the tab and the vertical bar are aligned, gently turn the bottom cover in a clockwise direction until it snaps back into place and the lock symbol is aligned with the vertical bar on the device housing.

Open the battery door on the back of your ADT Smoke, CO, and Supplemental Heat Detector

Place the provided batteries into the device, noting the correct orientation of positive (+) and negative (-) ends, and close the battery door.

The LED indicator will begin to flash blue to indicate that the detector is booting and ready to pair with the ADT Base.

Operating specifications

Temperature: 32° to 100°F (0° to 38°C) at 10% to 95% relative humidity, non-condensing. The ADT Smoke, CO, and Supplemental Heat detector is not suitable for garages. It can be used in attics/basements if it meets the operating temperature of 32 F – 100 F.

Smoke Sensitivity: 1.23%/ft - 2.06%/ft

135°F Fixed Temperature & 15°F/min Rate of Rise Heat Alarm, 50 ft spacing

CO Sensitivity: 70, 150, 400 PPM

Replace with 3 Lisun/Great PowerCR123A batteries only.

Mapping location for mounting

Smoke detectors are not to be used with detector guards unless the combination has been evaluated and found suitable for that purpose.

Smoke, CO, and Supplemental Heat detectors should be installed in accordance with the NFPA Standard 72 (National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169). For complete coverage, Smoke and Supplemental Heat detectors should be installed in all rooms, halls, storage areas, basements, and attics for each family. For your information, the National Fire Alarm Code, NFPA 72, reads as follows:

• Install in all guest rooms.

• Install outside of each separate dwelling unit’s sleeping area, within 21 ft. (6.4 m) of any door to a sleeping room, the distance measured along a path of travel.

• Install on every level of a dwelling unit, including basements.

• Install on every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics.

• Install in the living area of a guest suite.

• Install in the living area of residential board and care occupancy.

• Install in an ambient temperature between 40° to 100°F (4.4° to 37.8°C).

Do not place the device in the following areas:

• Combustion particles are the byproducts of something that is burning. Do not install the smoke detectors to avoid nuisance alarms in or near areas where combustion particles are present, such as kitchens with few windows or poor ventilation, garages where there may be vehicle exhaust, near furnaces, hot water heaters, and space heaters.

Do not install Smoke, CO, and Supplemental Heat detectors less than 20 ft. (6 m) away from places where combustion particles are normally present, like kitchens. If a 20-foot distance is not possible in your home, try to install the device as far away from the combustion particles as possible, preferably on the ceiling. To prevent nuisance alarms, provide good ventilation in places within 5 ft. (1.5 m) of open flame appliances such as furnaces, stoves, and fireplaces.

Section 4.1.1 of this document includes additional information related to base and sensor placement, wireless performance, etc.

Operation, Controls and Indicators

- Normal standby – Unit will monitor its smoke chamber, CO sensor, and ambient temperature, run internal tests, and send a keep alive message to the base every 60 minutes.
- Alarm – In the event of an alarm condition (smoke above the rated obscuration level, prescribed time/CO concentration curves exceeded, temperature above 135°F or temperature rise in excess of 15°F per minute), the piezo siren will sound a 3-beep cadence for a smoke or heat alarm, 4 beep cadence for a CO alarm, and the LED will flash red in time with the siren. Base will be notified of the alarm and will sound its internal siren. Base will trigger other devices to also sound their sirens.
- Alarm Silence - The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition continues, the siren will resume after ~3 minutes
- Alarm Test - If the siren is not sounding, you can press and hold the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 3-beep cadence. The ADT+ app will also display the results of the self-test.
- Alarm Reset – The siren on the alarmed unit can be silenced by pressing and holding the TEST/SILENCE button for approximately 3 seconds. If the alarm condition resolves itself within ~3 minutes, the alarm will again be ready to perform.
- Trouble – If the Heat detector fails its internal test, it will chirp the siren twice every 100 seconds and flash the LED yellow, as well as signal the fault to the base at its regular checkin time. Trouble alert cannot be silenced, and the faulted unit should be replaced immediately.
- Low Battery - Under a low battery condition, the LED will blink red and siren chirp once every 20 seconds. Low battery condition begins approximately 60 days before the battery end of life. All the device batteries should be replaced.
- Critical Low Battery - Under a critical low battery condition, the LED will blink red and siren chirp once every 10 seconds. Critical Low battery begins approximately 14 days before the battery end of life. All the device batteries must be replaced immediately.
- End of Life (EOL) - Units have a 10-year operational lifetime. After 10 years of use, EOL is indicated by emitting 5 beeps approximately every 30 seconds alongside a red LED. Pressing the TEST/SILENCE button for ~ 3 seconds will silence the EOL alarm for ~ 48 hours. After 30 days, the EOL alarm cannot be silenced anymore and will continue to beep. The sensor must be replaced immediately.
- Other Multicolor LED indicator conditions:
    - Blue – Heat sensor is ready to pair with the base
    - Purple – Heat sensor is receiving an over the air firmware update

After installation is complete, perform an alarm test by holding the TEST/SILENCE button for 3 seconds to initiate a self-test. A successful self-test will be indicated by the LED illuminating yellow and the siren sounding a 3-beep cadence. The ADT+ app will also display the results of the self-test.

Key information if the Smoke, CO, and Supplemental Heat detector sounds

• Do not panic. Stay calm. Follow your family's escape plan.

• Get out of the house as quickly as possible. Do not stop to get dressed or collect anything.

• Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Do not open a hot door. Keep doors and windows closed unless you must escape through them.

• Cover your mouth and nose with a cloth (preferably damp). Take short, shallow breaths.

• Meet at your planned meeting place after leaving the house.

• Call the fire department as soon as possible from outside your house. Give the address and your name.

• Never go back inside a burning building. Contact your local fire department. They will give you more ideas about how to make your home safer from fires and how to plan your family's escape.

• NEVER ignore any alarm. Ignoring the alarm may result in injury or death.

• Never disconnect the AC power or remove the battery back-up to quiet an unwanted alarm. Disconnecting the power disables the alarm so it cannot sense heat. This will remove your protection.

• If the unit alarms and you are not absolutely certain of the source of the heat, get everyone out of the house immediately.

Required monthly testing

• Never use an open flame of any kind to test this Smoke and Supplemental Heat detector. You might accidentally damage or set fire to the device or your home.

• If the **Smoke, CO and Supplemental Heat** detector ever fails to test properly, replace it immediately. Products under warranty can be returned to the manufacturer for replacement.

• It is important to test this unit monthly to make sure it is working properly. Using the Test/Silence button is the recommended way to test this Smoke, CO, and Supplemental Heat detector. Press and hold the Test/Silence button until the alarm sounds (the unit may continue to make an alarm sound for a few seconds after you release the button). If it does not alarm, make sure the Smoke and Supplemental Heat detector's battery is installed and test it again. If it still does not alarm, replace it immediately. During testing, you will hear a loud and repeating horn pattern: 3 beeps, pause, 3 beeps, and a pause. Also, you will see the **yellow** LED flashing rapidly.

Regular maintenance

• Clean the **Smoke, CO and Supplemental Heat** Detector at least once a month. Gently vacuum the outside of the smoke sensing chamber using a household vacuum's soft brush attachment. A can of compressed air may also be used to blow out any potential dirt that may be located inside the sensing chamber.

• Test the **Smoke, CO, and Supplemental Heat** Detector after cleaning it.

• Never use water, cleaners, or solvents since they may damage the unit.

Smoke Detector Functional Testing (To be performed at least once per year)

To perform go/no go field testing of the ADT Smoke Detectors, obtain a can of UL/ANSI approved canned smoke. With the Smoke Detector mounted to the ceiling or wall, follow the directions as specified on the can and spray the canned smoke in the direction of the Smoke Detector for 2-3 seconds. The Smoke Detector should sound an alarm within approximately 5 seconds of the canned smoke being sprayed. If the first test does not trigger an alarm, another 2-3 second spray may be necessary. If the unit fails to sound, check the batteries. If the batteries are weak, replace them and retest. If the unit continues to not operate properly it must be replaced immediately.

Warnings

• **The Smoke, CO, and Supplemental Heat detector is intended for connection to a control unit as part of a fire alarm system.** The device's primary feature is to send events messages to the cloud service via a smart home device. Its secondary feature is its alarm sound. If the network is down or signal is interrupted, **Smoke Alarm, Test Mode and Low Battery** functions will still operate locally via an audible alert.

• **Hearing-impaired residents may not hear the Smoke, CO, and Supplemental Heat detector's alarm.** Specially designed units such as those with visual and audible alarms should be installed for hearing impaired residents.

• **The Smoke, CO, and Supplemental Heat detector's alarm may not awaken all individuals if they are sound sleepers.** If children or other family members do not awaken readily to the sound of the Smoke and Supplemental Heat detector's alarm, or if there are infants or members with mobility limitations, make sure someone is assigned to assist them in the fire drill and in the event of an emergency. It is the responsibility of individuals in the household who are capable of assisting others to help those who may not be awakened by the smoke detector's alarm sound, or to help those who may be incapable of safely evacuating the area unassisted.

• **The Smoke, CO, and Supplemental Heat detector's alarm has a limited lifespan.** Although this **Smoke, CO, and Supplemental Heat** detector has passed many tests and is designed to be as reliable as possible, any of the parts could fail at any time. Therefore, you must test this device monthly. Replace the device immediately if it is not operating properly.

THIS UNIT INCLUDES AN OPTIONAL ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM SMOKE ALARM SIGNAL FROM THE ATTACHED SMOKE DETECTORS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. ONLY ADT APPROVED SMOKE DETECTORS SHALL BE CONNECTED TO THESE UNITS.

(Zone)	Control Unit Delay Seconds	Smoke Detector	
		Model	Delay - Seconds
V4 Smoke Detector	0-60	SSS1R0-29	0
Smoke and	0-60	SSS5R0-29	0

Supplemental Heat Detector			
Smoke, CO, and Supplemental Heat Detector	0-60	SSSX5R0-29	0

Important safety information

1. This device detects the presence of Smoke, CO, and Supplemental Heat.

2. Read and keep these instructions.

3. Clean only with a dry cloth.

4. Set up in accordance with the manufacturer's instructions.

5. Do not set up near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.

6. Only use attachments/accessories specified by the manufacturer.

7. Use only with the bracket specified by the manufacturer or sold with the device.

8. Do not store batteries with hazardous or combustible materials.

9. Keep batteries away from children.

10. Store spare batteries in a cool, dry, and ventilated area.

11. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.

12. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire, or high temperatures.

13. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.

14. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit **call2recycle.org** and in the "Find a recycling location" field, enter your ZIP Code to find your nearest battery recycling facility.

15. Do not drop the device or subject it to physical shock.

16. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.

17. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.

18. CAUTION: Risk of explosion if battery is replaced with an incorrect type.

4.12. ADT Premium Door/Window Sensor (SSHX5R0-29-WH)

Before you get started you will need:

- ADT Base
- ADT+ App on the latest iOS or Android OS
- Phillips screwdriver or a drill with a Phillips driver bit (optional)
- Power drill with drill bits for pilot holes (optional)

The Premium Door/Window Sensor connects to the ADT Base and notifies when a door or window is opened. The Premium Door/Window Sensor supports three additional functions beyond the regular Door/Window Sensor.

- Supports a built-in shock sensor which detects abrupt, forcible attempts at entry.
- Supports a Bypass Button on the face of the sensor that allows a user to temporarily bypass a sensor (one-time) while the Alarm system is armed, e.g., opening a door to let a dog outside late at night.
- Supports the capability to connect an External Sensor/Reed Switch device to the Premium Door/Window Sensor (by plugging in a pigtail connection into the back of the Premium sensor) to allow the use of previously existing installed sensors into the scope of the sensors that are to be monitored.

Setting up your ADT Door/Window Sensor
1. Open the ADT+ App and log in to an existing account.
2**.** Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Premium Door/Window Sensor.**
3. Follow the in-app steps to power on the sensor and mount it properly.

Mounting tips
Align the indented dots on the sensor and magnet so they're no more than 1/2" apart when the door/window is closed. If necessary for proper alignment, spacers can be purchased through the shop section of your mobile app or online account.

- If mounting with the provided double-sided tape, ensure the door/window frame surface is clean and dry by using the enclosed alcohol wipe.
- If mounting with screws, remove the back of the sensor and magnet to locate the screw holes.

Note: You may need a drill and Phillips screwdriver.

Operating specifications
Temperature: 32° to 131°F (0° to 55°C) at 5-95% relative humidity, non-condensing

Resetting your ADT Door/Window Sensor

- Remove the sensor's battery cover by sliding it to the unlock position before removing.
- Remove the CR2 battery from the sensor.

- Press and hold the tamper button for 20 seconds while reinserting the battery.
- Release the tamper button and place the sensor's battery cover back on and lock into place.

Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.
Note: Replace with a CR2 battery only.

Pairing

The ADT Base is the controlling Base that your sensors communicate with. To pair your sensors with the ADT Base, just launch your ADT+ App. Once logged in, select **Menu > Devices > (+) Add Device > Sensors and Detectors**, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in an ADT system are preconfigured so they will be pre-paired to your system and can be added by simply removing the battery tab, as shown in the following steps.

To enable a new sensor:

1. Pull the exposed plastic battery tab from the back of the ADT Door/Window Sensor.
2. The LED indicator will begin to flash to indicate that the sensor is booting.
3. The LED will continue to blink once per second while attempting to pair with the ADT Base.
4. If a network is not found after 90 seconds, the sensor will go into sleep mode. To wake the sensor again, you need to use the magnet or press the pairing switch to repeat the pairing process.

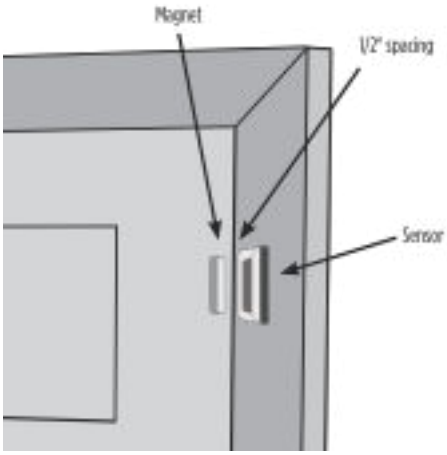
Mounting your ADT Premium Door/Window Sensor

This sensor is intended to be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, UL 1641.
The ADT Base and sensors are preconfigured to work together when setting up any sensors included with a system order. If you are setting up a sensor from an accessory order which doesn't contain an ADT Base, see the pairing section for information about adding your sensor to the ADT Base using your ADT+ App.

To continue with setting up a preconfigured sensor, launch your ADT+ App and follow the in-app setup help. Just follow these steps:

1. Make sure that the sensor and magnet are located less than ½ in.(15mm) from each other. For optimal performance, set up the door/window sensor on the fixed door jamb/frame and the magnet on the moving part of the door or window. Place the sensor near the top of the door or window and close to the opening.
2. Note: First, clean the door/window and frame area and let it all fully dry before mounting your sensor and magnet with double-sided tape.
3. Use the provided double-sided tape to mount the sensor. Remove the tape liner and press firmly in place for 30 seconds.
4. Use the provided double-sided tape to mount the magnet. Make sure the alignment marks (circles) of both the sensor and magnet are facing each other. Remove the tape liner and press firmly in place for 30 seconds.

Note: The ADT pairing LED will stay off during the normal operation. The sensor is equipped with a tamper switch. If the back cover of the sensor is removed, the sensor will send a signal to the ADT Base.



Factory resetting your ADT Premium Door/Window Sensor

Note: On the side of the sensor cover there are markings representing lock and unlock position. The position chosen is determined by where the black tab on the sensor mounting plate points to. If it points to the Lock symbol on the side of the sensor cover then the sensor cover is locked onto the sensor base. If it is aligned with the horizontal line on the sensor cover then the sensor cover is unlocked and can be safely removed. Those 2 markings are located towards the end of the sensor cover where the indented circle symbol is embossed to line it up with the same marking on the magnetic sensor part.

To factory reset your device:

1. Remove the sensor's cover by sliding it from the lock position to the unlock position. Do not attempt to pry the cover off as this may result in damage. (Please see note above).
2. Remove the CR2 battery from the sensor.
3. Depress the tamper switch before inserting the battery.
4. Insert the battery. The sensor should illuminate the LED once when the boot-up/initialization tasks are complete.
5. Release the tamper switch while the LED is illuminated (it will be lit for 4 seconds). The sensor should then reset to factory default settings and begin searching for the ADT Base. If you need to reboot the device, remove the battery, depress and release the tamper switch one time, and then reinsert the battery.
6. ***Note:*** *If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.*
7. Place the cover back on the sensor and slide it into the lock position.
8. ***Note:*** *Replace the battery with a CR2 battery only.*

4.12.1 Parameter Settings

The following settings are supported on the ADT Premium Door/Window sensor.

Launch the ADT+ App. Once logged in, select **Menu > Devices > Security Devices > Sensors and Detectors > Premium Door/Window Sensors:**

Placement
Your ADT Premium Sensor can be placed at different locations including Door, Window or Other, e.g., internal cabinet door.
Default=depends on device type selected

Alarm Type
Your ADT Premium Sensor supports different alarm types including Away, Stay & Away, and Convenience.

Default=Stay & Away

Entry Delay (Only applicable for Door or Other)
Your ADT Premium Sensor has a countdown timer when entering the property to allow the user time to deactivate the alarm before it starts alarming. 30 seconds, 45 seconds, 60 seconds, 90 seconds, or 120 seconds.
Default=30 seconds

Chime Enabled
Your ADT Premium Sensor will trigger a chime to play on the ADT Base anytime a door or window premium sensor is opened.
Default=Enabled

Cross Zoning
The system includes an option whereby 2 sensors must trip within 30 seconds before an alarm is sent to the monitoring center.
Default=Disabled

Swinger Shutdown
Prevents alarms from going off for a specific sensor if it has tripped an alarm multiple times in a 5-minute window.
Default=Enabled

Abort Window Time
Time frame to disarm the system before the alarm is sent to the central monitoring station in case it's an error.
Default=Enabled

Shock Sensing
When enabled, this feature allows the sensor to detect trauma/shock to the sensor itself and trigger an alarm if shock of a certain level is detected.
Default=Disabled

External Sensor Connected
When enabled, this feature allows an external sensor to be physically connected (wired) to the Premium Door/Window sensor. This allows increased coverage to be supported without the need for additional sensors to be configured/deployed.

The Current Mode is set to Normally Open however it can be changed by removing and re-pairing the sensor again to change Current Mode to Normally Closed.

When added with the Reed Switch → Normally Open / Normally Closed the Default = Enabled.

When added with the Reed Switch disconnected the Default = Disabled.

Magnet Sensor Enabled

When enabled, this feature allows the sensor to detect the opening/closing of the Magnet Sensor in the Premium Door/Window sensor.
Default=Enabled

Bypass Button
When enabled, this feature activates the Bypass Button which allows the user to exit an alarmed exit point without triggering an alarm by pressing the Bypass Button.
Default=Disabled

Shock Detection
When enabled, your sensor will detect shocks to your door or window which trigger alarm events.
Default=Disabled

Shock Sensitivity
This setting is used in conjunction with the Shock Sensing parameter. This setting allows the user to define the amount of shock directed at the sensor before the Premium Door/Window sensor triggers an alarm. There are 4 settings from least sensitive setting which requires the most amount of shock to trigger the most sensitive setting that requires the least amount of shock to trigger.
Least sensitive (16G), Less sensitive (8G), More sensitive (4G), Most sensitive (2G)
Default=Most sensitive (2G of force)

4.12.2 Bypass Button

The Premium Door/Window sensor is equipped with a bypass button capability which allows the user to open a monitored door without triggering an alarm. Internally the Bypass Button is bypassing all of the functions that are currently configured on the Premium Door/Window Sensor. This includes the normal open/close function (i.e., Magnet Sensor Open/Close), the Shock Sensing function and the External Connection/Reed Switch function. All three of these functions (if configured on the sensor) are bypassed when the Bypass Button is pressed, and the sensor is opened while the LED is green.

Prior to using the Bypass Button, the user must enable the Bypass Button function for the Premium Door/Window sensor on the ADT+ App. To do this, go to the list of devices, select the specific Premium Door/Window sensor, and go to Advanced Settings and select Bypass Button Enabled. Once this parameter is set by the user, the button can be used to bypass a premium door/window sensor while the system is armed.

One common scenario for the use of the bypass function is the case where a home is armed, e.g., Armed Night, Armed Stay, and the homeowner needs to let a dog outside late at night. Instead of disarming the entire system, the homeowner can press the bypass button on the Premium Door/Window sensor to temporarily disarm /bypass that specific exit point, e.g., a door leading outside.

When the user pushes the bypass button, the LED will flash yellow twice followed by a solid green LED. The green LED signals that it is safe to open the door without triggering an alarm. The user has 10 seconds to open the door. If the door is not opened during the 10 second period, the green LED is no longer lit, the bypass timer expires, and the premium sensor is no longer bypassed. Subsequent openings of that premium sensor will alarm as normal.

Short Description

The most straightforward scenario for someone who simply wants to let their dog out and then a few minutes later to let their dog back in is the following:

Press the Bypass Button.
While the green LED is displayed on the sensor, open the door and let dog outside.
Close the door while remaining inside the house.
The Premium Door sensor will be rearmed at that point in time and subsequent openings will be alarmed.

Repeat the same set of steps when you need to let the dog back into the house.

More Detailed Description
If the user pushes the bypass button, sees the green LED, opens the door during the 10 second period and lets the dog outside and then closes the door, the door sensor is rearmed. The door sensor is rearmed no matter if the user goes outside with the dog and closes the door behind them or if the user lets the dog outside, but he/she remain in the house.

It is very important to point out that if the user chooses to go outside with the dog and closes the door behind them, if the user attempts to re-enter the house via the same door, the event will be alarmed. The only way to avoid setting off the alarm when coming back into the house is for the user to disarm the system via the ADT+ App on their smart phone (or via the Keychain Remote) prior to re-entering the house. If the user forgets and does not have their smart phone (or Keychain Remote) with them to disarm the system first, they will set off the alarm upon re-entry.

If the user chooses not to close the door after exiting during the 10-second bypass period, the door sensor is not rearmed, and it will continue to be bypassed until the sensor is eventually closed or the system is disarmed and rearmed again.

4.12.3 Shock Detection

The user can enable the Shock Detection feature for the Premium Door/Window sensor on the ADT+ App. To do this, go to the list of devices, select the specific Premium Door/Window sensor, and go to Advanced Settings and select Shock Detection. Once this parameter is set by the user, the Premium Door/Window sensor will be capable of detecting/reporting shock that is applied to the sensor. The user is also able to specify a Shock Sensitivity setting per sensor: Least sensitive, Less, More, Most sensitive (default value). Most sensitive in this context means that it will require the least amount of shock to trigger an alarm.

4.12.4 External Sensor Connected (Reed Switch)

The user can enable the External Sensor Connected feature by enabling the feature on the ADT+ App. To do this, go to the list of devices, select the specific Premium Door/Window sensor, and go to Advanced Settings and select External Sensor Connected. Once this parameter is set by the user, the Premium Door/Window sensor will be capable of including an External Sensor, e.g., a Reed Switch device, into the scope of what the Premium Door/Window sensor is monitoring.

When using the supplied pigtail connector for connecting an external reed switch please make sure that it is plugged into the back of the Premium Door/Window sensor correctly. The plug on the pigtail connector can only be inserted into the socket one way so care should be taken to ensure that it is correctly inserted.

Damage could occur if an attempt is made to insert the pigtail connector incorrectly. After plugging in the pigtail connector, reattach the sensor to the backplate.

When it comes time to remove the pigtail connector from the Premium Door/Window sensor, detach the sensor from the backplate and use a small, flat head screwdriver to pry up on the pigtail connector to facilitate its removal. Once removed, reattach the sensor to the backplate and lock into position.

Important safety information

1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Do not store batteries with hazardous or combustible materials.
7. Keep batteries away from children.
8. Store spare batteries in a cool, dry, and ventilated area.
9. Batteries can explode, catch fire, and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells), or exposed to water, fire, or high temperatures.
10. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.
11. Disposing of your device and old battery; ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit www.call2recycle.org and in the "Find a recycling location" field enter your Zip code to find your nearest battery recycling facility.
12. Do not drop the device or subject it to physical shock.
13. Do not use high voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
14. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
15. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

Test sensors

Test sensors periodically to verify operation. With the system disarmed, open the door or window. This separates the sensor and magnet and notifies the system. You will hear a chime each time you open the door or window.

Battery installation and replacement

Replace low batteries with a model CR2 battery, available from www.ADT.com or other retailers. To install or replace the batteries:

1. To remove the sensor's rear cover using your finger to pull it from the housing.
2. Remove the existing battery and dispose of it properly.
3. Replace with a new CR2 battery, noting the correct polarity as indicated on the battery and housing.

4. Verify operation after replacing the cover.

Warning: the polarity of the battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with CR2 batteries (brands include Great Power, and Lisun). Batteries must not be recharged, disassembled, or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area.

Keep away from small children. If batteries are swallowed, immediately see a doctor.

California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

4.13. **ADT Keypad (SKP5R0-01-WH)**

The SKP5R0-01-WH is an ADT Keypad with Arm Stay, Arm Away, and Arm Night arming states as well as Panic emergency mode capabilities. A convenient, in-home controller for your security system. Use it to arm or disarm your system whenever you leave or come home. The ADT Keypad connects to the ADT Base, and it can control the wireless security sensors and devices via the Base. Both a wall mount and tabletop stand models are available.

The purpose is to provide customer interaction with the ADT Base, provide touch pad interface to control the system, provide visual and audible feedback to provide a simple, seamless customer experience.

The ADT Keypad is a wireless (DECT-ULE), fixed location, AC powered, alarm system interface.

The ADT Keypad provides a display for visual system status, a power LED, and a security status LED for quick system status view, visible 20 ft from keypad. Proximity sensor, an ambient lighting sensor, ambient temperature sensor, an alarm event sounder, and a BLE radio for initial configuration and user proximity sensing are supported.

The ADT Keypad is powered by an external AC transformer/power supply, with a rechargeable 24-hour internal back up battery (Tenergy – Part Number: 34414).

The keypad includes status LEDs to indicate the current status of the system. The keypad is powered by an AC power adaptor. It is recommended to only use the power supply that was supplied with the Keypad. Replacement power supply model xxxxx from xxxxx is available from the www.ADT.com website or by calling **888-392-2039**. When the keypad is operating from AC power, the display and backlight may operate continuously.

Please note that the Keypad button functions, and LED ring operation are for the most part the same as previously documented for the ADT Base. This includes how to Arm/Disarm the system and how to invoke any of the three Panic modes for Police, Medical, or Fire. In addition, there are a few functions that are specific to the Keypad. One example of Keypad specific behavior is its internal communication with

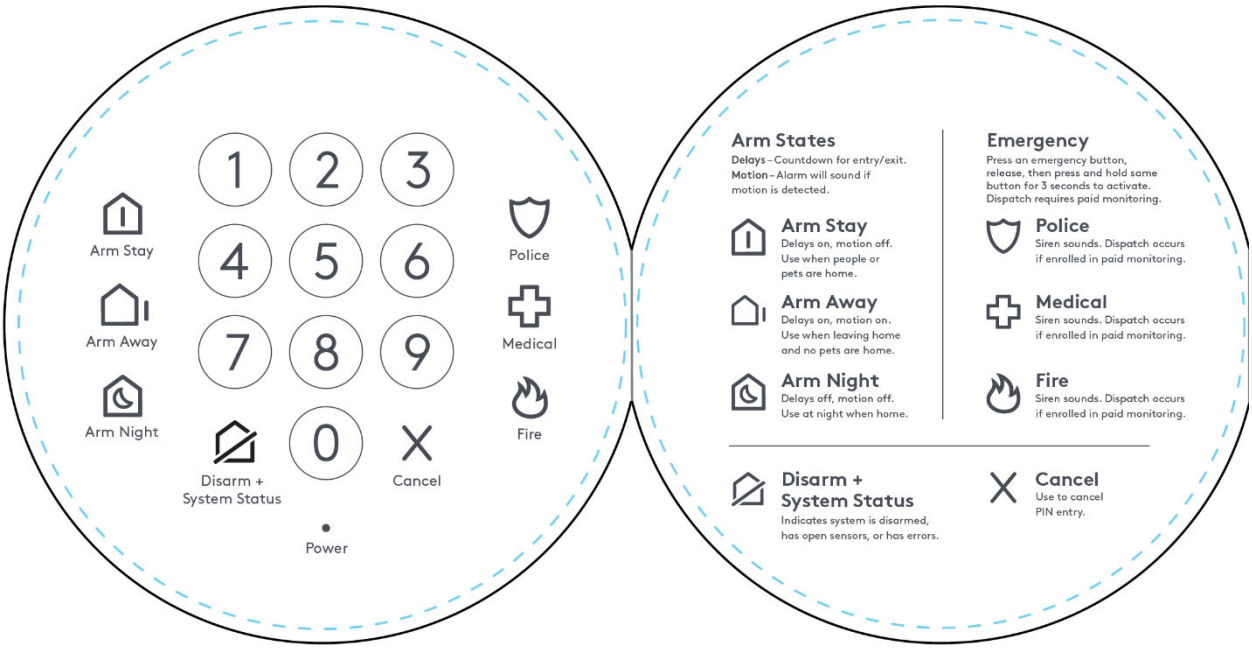
the ADT Base. During the time that the Keypad is communicating with the ADT Base, the LED ring will be highlighted in yellow.

Similar to the ADT Base, the ADT Keypad has a Proximity sensor/Proximity wake capability. From across the room, you can visually see the alarm status. As the user gets closer it senses them and wakes up when the user is approximately 10 inches away, ready for the user to engage. The device goes back to sleep after 10 seconds of not sensing anyone.

Articulated color status LED ring: this is the primary way for the ADT Keypad to provide security status to the user. The system will show its system status by using different color combinations, brightness, and blink rate; and can be used along with alarm sound or on its own (light only).

Speaker: The ADT Keypad supports local sound/beep for communicating status and input.

On the top of the ADT Keypad there are 18 backlit capacitive touch buttons for the user to manage their ADT Security System configuration as shown below:



Arming your security system:
ADT provides a variety of options for arming and disarming your system. The ADT Keypad includes a keypad that is built into the top of your device for convenient control. Depending on your needs, you may choose one of three different arming modes:

Arm Stay: Press the Arm Stay button and then enter your Security Code to arm in stay mode.
- This is used when you are home, entry and exit delays are ON, and motion sensors are OFF.

Arm Away: Press the Arm Away button and then enter your Security Code to arm in away mode.
- This is used when no one is home, entry and exit delays are ON, and motion sensors are ON.

Arm Night: Press the Arm Night button and then enter your Security Code to arm in night mode.

- This is used when you and your family are in for the night, entry and exit delays are OFF, and motion sensors are OFF.

When a request to arm the system is entered along with the Security Code, a countdown timer is started on the articulated LED ring to indicate to the user that the request is being processed and when the arm request will go active. As the countdown timer gets closer to zero the audible notification speeds up as well until the timer reaches zero and the system is armed.

The countdown is at 30 seconds as a default setting, but it is customizable via the ADT+ App and the customer portal. The user is presented the following options: 45 sec, 60 sec, 90 sec, 120 sec, and 240 sec.

As an example, if your system is disarmed and you arm it to Away, the icon and light ring countdown will be green (indicating disarmed) until the system is armed, at which point it will turn blue. Now if the system is armed Away and you arrive home and enter your home, the light ring countdown will be blue indicating armed. Once you disarm your system, the disarm button changes to green.

- **Disarm**: If the system is armed, when the user approaches the ADT Keypad the user can enter their Security Code to disarm the system. *Note: By design, the exit and entry delays are configured to allow you enough time to leave or enter your home without setting off a false alarm.*

- **X (Cancel):** Press the **X** button (Cancel) to cancel a Security Code entry.

TIP: Make sure all windows and doors are closed before arming the system. If there is an open sensor and the system is disarmed, the Disarm icon will be yellow instead of green to indicate that there is an open sensor. You can either close the door or window and try to arm again or bypass the sensor on the ADT+ App. If you choose to bypass a sensor when arming the system, that sensor(s) will not be monitored until the next time the system is armed.

Emergency Handling:
ADT provides a variety of options for handling emergencies. The ADT Keypad provides a keypad built into the top of your device for convenient control. There are 3 unique buttons available to the user depending on the type of emergency: **Police**, **Medical**, and **Fire**. For any of these 3 emergencies, the user is required to first light press the specific type of emergency (**Police**, **Medical**, or **Fire).** This light press will select the specific type of emergency and highlight just that button on the keypad. Then the user long presses the same button for at least 3 seconds to activate the emergency request. If the button is not held down for at least 3 seconds, it is treated as a false request and the request is not activated.

However, if the emergency button is pressed for at least 3 seconds (known as a long press), the specific emergency request is activated; **Police**, **Medical**, or **Fire.** The LED light ring fills over the 3 seconds while the user is long pressing the panic button. After the 3 seconds, the light ring will be 100% filled and ADT is notified of the request if the customer subscribes to the paid monitoring service. Once the countdown LED ring timer completes, the siren in the ADT Base will sound. The siren will continue sounding until the user cancels the emergency from the ADT Base keypad or until the siren has sounded for 5 minutes. There is a different siren sound for each of the 3 types of emergencies.

Note: If you subscribe to the paid monitoring service, once an emergency service request is triggered, you cannot cancel emergency services from being dispatched.

Duress code: There is also an option to set up a unique duress code (different from your Security Codes). Use this code when you feel threatened by someone forcing you to disarm from inside your home. When you enter the code, the alarm will not sound. A special duress message is sent to the monitoring center, and emergency services will respond appropriately.

- To create a duress code, select **Menu > Users > +** to Add, and select Duress User. Create a Duress User with a unique 4-digit duress code and then press Add User. *Note: The duress code should only be used in an emergency. There is no option to cancel dispatch if you are not in an emergency. Your local municipality and police department will treat this as a false alarm.*

Users

ADT allows for multiple Security Codes, which will enable you to keep track of who arms and disarms your system.

- Primary Security Code: You will only have one 4-digit Primary Security Code, which gives you complete access to your entire system. Protect this code, and do not share it with others.

- Users: Invite your trusted friends and family and keep track of who arms and disarms your system. Users will be invited via email and set their login password, security question, and can manage their notifications under My profile. As the Primary User, you may invite any of the following user types to your system:

- Admin Users get full access to all platforms and functionalities except billing.
- Standard Users have access to monitoring, controlling, and limited settings management.
- Basic Users can only arm/disarm.
- Duress User is a code to disarm the system and notify the monitoring center. You may only have one duress code, which is shared by all, to trigger a duress alert to the monitoring center.

What to do in the event of an alarm:

Useful knowledge:

What is a Security Code? It's your 4-digit PIN used to disarm your system.
What is a Verbal Security Password? This password is a phrase given verbally to the monitoring center to verify that you are the account holder. In the event of an alarm, you must provide it to prevent dispatch or also to discuss any information with the monitoring center.

When your alarm is sounding, there are a few options for you to choose, depending on the scenario:

- If it is a false alarm triggered by you, a loved one, or by accident, you have 30 seconds to Disarm the alarm by entering your Security Code. Doing this will cancel the alarm and return the system to normal with no further action.

- If it is a false alarm and you do not enter a Security Code within 30 seconds, the monitoring center will call the primary contact. If that person gives the correct Verbal Security Password to the dispatcher, the false alarm is canceled.
- If the alarm sounds in a true emergency, then the alarm will continue to sound, and the monitoring center will be notified after 30 seconds. The primary contact will receive a call, provide the Verbal Security Password, and can request dispatch of emergency services to your home.
- If the primary contact is unavailable or cannot provide the dispatch with the Verbal Security Password, the dispatcher will continue calling the secondary contact and any courtesy contact until someone has the correct Verbal Security Password.
- If the incorrect Verbal Security Password is provided or no contact can be reached, the monitoring center will contact the authorities.

Make sure you have a family emergency escape plan that specifies where to meet and what to do in case of an emergency.

ADT Keypad settings

The following Audio Settings are supported on the ADT Keypad.

Launch the ADT+ App. Once logged in, select **Menu > Devices > Security Devices > Keypad > Audio:**

Chime
Your ADT Keypad will play a chime anytime a door or window sensor is opened.
Default=Enabled

Entry Delay Tone
When your security system is armed in stay or away, the ADT Keypad will play a tone during the entry delay countdown time period once a door sensor is opened.
Default=Enabled

Away Exit Tone
When your security system is armed away, the ADT Keypad will play a tone during the exit delay countdown time period.
Default=Enabled

Stay Exit Tone
When your security system is in the stay arming mode, the ADT Keypad will play a tone during the exit delay countdown time period.
Default=Enabled

Alarm Siren
The ADT Keypad will sound an alarm siren during any alarm events.
Default=Enabled

Keypress

The ADT Keypad will generate an audible acknowledgement each time a button is pressed on the ADT Keypad.
Default=Enabled

Volume
The speaker volume of the ADT Keypad can be adjusted depending on the user's preference.
Default=5 (High), range is from 0 (Mute) up to 9 (Maximum).

The following Visual Settings are supported on the ADT Keypad.

Button Brightness
The brightness of the keypad buttons on the ADT Keypad can be adjusted depending on the user's preference.
Default=2, values are 1 (Minimum), 2 (Medium), 3 (Maximum).

Light Ring Brightness
The brightness of the ring LED on the ADT Keypad can be adjusted depending on the user's preference.
Default=2, values are 1 (Minimum), 2 (Medium), 3 (Maximum).

4.13.1 ADT Keypad LED guide

Your ADT Keypad indicates the current status of your security system by the color of the buttons on the keypad.

System State (Disarmed for simplicity)	Details	ADT Keypad
"Ready to Arm"	All sensors closed. No bypass required	Green
"Not Ready to Arm"	Sensor Faulted/Open, requiring bypass to arm	Yellow
"Not Ready to Arm"	1+ Troubled Device - > Low Battery, Tampered and/or offline device	Red

In addition to the status displayed by the ADT Keypad, the articulated LED ring built into the ADT Keypad provides additional information regarding current activity on the ADT Keypad and also provides an indication of a pending transition to a different state. This quick reference guide will help you understand your system's status.

LED Ring Guide

Function	Button and Color	Ring Color	LED Ring Operation
Disarm Active	Disarm (Green, Yellow or Red)	OFF	--
Disarm to Arm Stay	Arm Stay (Green, Yellow or Red)	Green	Constant display (but vanishing in unison with exit delay countdown until the system transitions to armed)

Arm Stay Active	Arm Stay (Blue or Red)	Blue	One time flash of blue, then OFF
Arm Stay to Disarm	Disarm (Green, Yellow or Red)	Green	One time flash of green, then OFF
Disarm to Arm Away	Arm Away (Green, Yellow or Red)	Green	Constant display (but vanishing in unison with exit delay countdown until the system transitions to armed)
Arm Away Active	Arm Away (Blue or Red)	Blue	One time flash of blue, then OFF
Arm Away to Disarm	Disarm (Green, Yellow or Red)	Green	One time flash of green, then OFF
Disarm to Arm Night	Arm Night (Green, Yellow or Red)	Blue	One time flash of blue (immediate arming– no countdown timer)
Arm Night Active	Arm Night (Blue or Red)	Blue	One time flash of blue, then OFF
Arm Night to Disarm	Disarm (Green, Yellow, or Red)	Green	One time flash of green, then OFF

LED Guide

	State	**Ring LED**	**Backlight LED (Buttons)**
1	System Arming	Solid green countdown ring	ON
2	Entry delay, exit delay	Solid blue countdown ring	ON
3	System Armed	Solid blue (fades out)	ON
4	Alarming, Panic	Blinking red	ON
5	Disarmed (not ready to arm)	No light from ring	ON
6	Device is faulted, tampered, lost, or has low battery	No light from ring	ON
7	Boot mode (device is restarting)	No light from ring	Power LED at bottom of keypad is blinking white.
8	Downloading firmware	Ring slowly fills with purple light	Flashing red LED on top of keypad.

*The LED light behavior may vary based on power and user settings manage from the ADT+ App or web portal.

Pairing

To pair your ADT Keypad with the ADT Base, launch your ADT+ App. Once logged in, select **Menu > Devices > (+) Add Device > Security Devices > Keypad**, and follow the in-app setup help to pair to your system.

Note: *The keypad and devices in an ADT system may be preconfigured. If so, they will be pre-paired to your system and can be added by simply powering the devices on.*

Setup:

Getting started is simple. Just follow these steps:

1. Remove the keypad and power supply from the box.
2. Remove the back cover of the keypad to access the mounting holes.
3. Plug the power cord into the back of the keypad. Then, plug the device into an outlet for the best experience. **Do not connect to a receptacle controlled by a switch.**
4. Download the iOS or Android app by visiting www.ADT.com/apps.
5. Open the app to create an account or log in to your existing account.
6. Select **Menu > Devices > (+) Add Device > Security Devices > Keypad**
7. Follow the in-app screens to pair your device to the ADT Base.
8. Set up the device in your desired location.

Upon completion of installation, verify that the keypad is working properly.

Mounting:

Note: The ADT Keypad should be located by an entrance in your home, like your front door or garage door. The keypad can either be mounted onto the wall or placed on a tabletop. The keypad should be within earshot of the ADT Base.

1. **To mount the keypad on a wall:** Secure the keypad to the wall by removing the back panel of the device and screwing the back panel into the wall using the included hardware. Once the back panel is mounted to the wall, press the keypad into place.

***Note**: Make sure the keypad is plugged in before connecting the device onto the back panel.*

Operating specifications:
Temperature: 32° to 122°F (0° to 50°C)
Indoor use only

Power source:
AC power plug
AC power input: 100-120V ~50-60Hz
Backup battery: rechargeable lithium-ion battery pack (Tenergy – Part Number: 34414). Lasts up to 24 hours.

Important safety information

1. Read and keep these instructions.

2. Clean only with a dry cloth.

3. Set up in accordance with the manufacturer's instructions.

4. Do not set up near any heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.

5. Only use attachments/accessories specified by the manufacturer.

6. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.

7. Do not store batteries with hazardous or combustible materials. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire or high temperatures.

8. Keep batteries away from children.

9. Store spare batteries in a cool, dry and ventilated area.

10. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.

11. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit call2recycle.org and, in the “Find a recycling location” field, enter your ZIP Code to find your nearest battery recycling facility.

12. Do not drop the device or subject it to physical shock.

13. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.

14. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where it exits from the device.

15. Only use the AC adapter supplied with this device. Do not use a power supply from another device or another manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.

16. Do not defeat the safety purpose of the polarized plug. A polarized plug has two blades, with one wider than the other. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

17. **WARNING**: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.

18. **CAUTION**: Risk of explosion if battery is replaced with an incorrect type.

Important notice

The ADT Keypad requires AC power to send smoke/CO siren detection signals to the ADT Base or other ADT-compatible device base.

Not all third-party smoke/CO detectors are compatible with the ADT Keypad’s siren detection.

The ADT Keypad doesn’t act as a backup signaler as a standalone device. It must be used with a compatible ADT security base device.

If utilizing self-monitoring, you acknowledge that ADT's Products and Services are not intended for a third-party monitored emergency notification system and that ADT does not monitor emergency notifications and will not dispatch emergency authorities to your home in the event of an emergency.

ADT makes no warranty or representation that use of the Products or Services will affect or increase any level of safety.

You acknowledge that the Products and Services are not intended to be 100% reliable and are not a substitute for a third-party monitored emergency notification system.

ADT cannot and does not guarantee that you'll receive notifications in any given timeframe or at all. All life-threatening, safety and emergency events should be directed to the appropriate response services.

4.14. ADT Touchscreen (STS5R0-01)

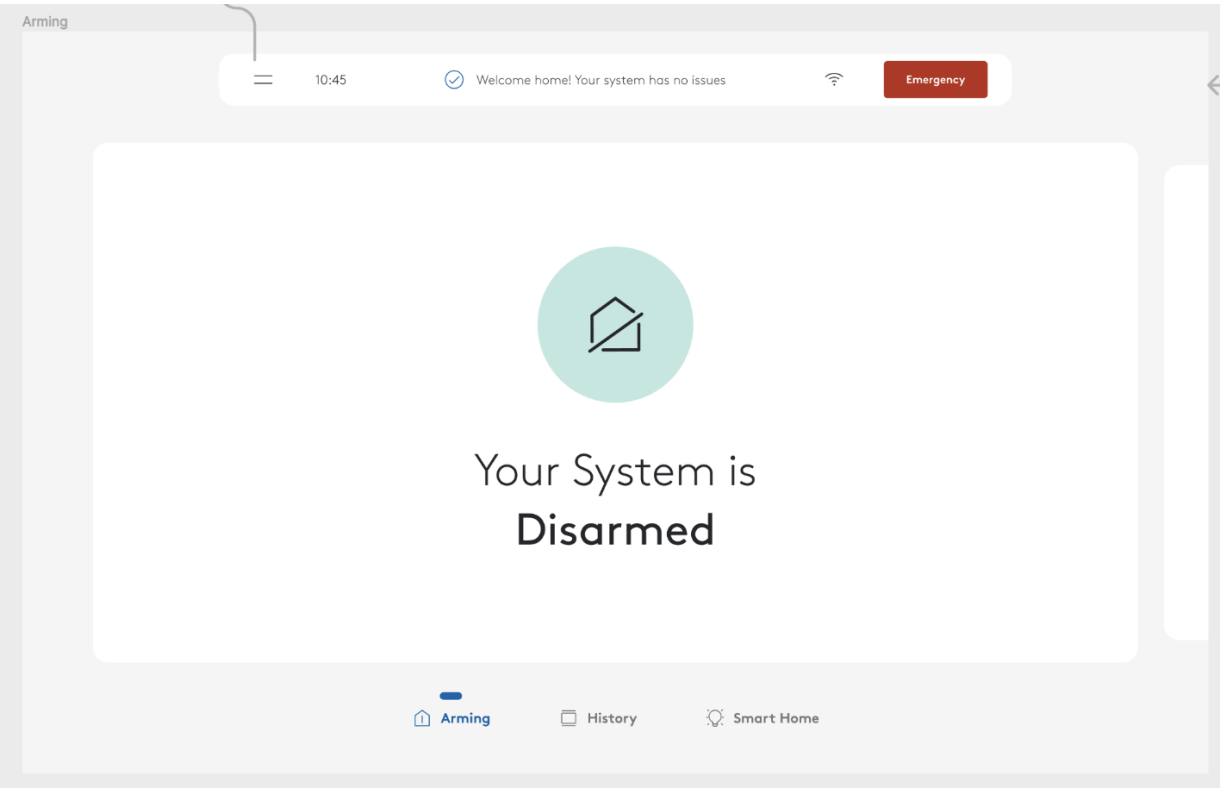
The ADT 8" LCD Touchscreen is a Pro Install, wall-mounted, easy-to-use device for convenient control of your ADT security system. You can arm, disarm, access alerts, see system status, view your system history, and a handy Emergency button provides quick action for police, fire, or medical emergencies.

Setting up your ADT Touchscreen

1. **Press the power button to turn on the Touchscreen.**
2. **Connect to a Wi-Fi network.**
3. **Login to an existing ADT+ account.**
4. **If prompted, select the location of the Touchscreen.**

Note: ADT system must be installed and connected before touchscreen setup. Do not attempt to remove the touchscreen from the wall.

Touchscreen Interface



Note: Icons and display above may vary slightly depending on devices and services that are installed or connected to the system.

Touchscreen Settings:

Device Status

Wi-Fi Connection

Backup Battery Level

Settings

- **Audio**
  - Volume slider bar, Chime, Entry Delay, Away Exit Tone, and Stay Exit Tone
- **Display**
  - Screen Brightness slider bar, LED Brightness slider bar, Ambient Light Sensing, Wake When Near, Screen Saver, Screen Timeout, and Clean Screen
- **Wi-Fi**
  - Wi-Fi Network
- **Device Information**
  - Model, App Version, OS Build

In addition to the Touchscreen settings shown above, the following functions are also supported:

Devices – displays the list of all connected devices in the system.
Alerts – displays the set of defined alerts as to how they are to be processed and communicated.
Rules – displays the set of defined rules as to what actions are taken based on combinatorial logic (if this and this then do this).
Settings – allows the user to configure the Monitoring and Security parameters for the system.

NOTE: While the Touchscreen can be used to display the list of Devices, Alerts, and Rules, these must first be created using the ADT+ App.

In the rare case that the Touchscreen freezes or loses communication with the system, the user can press the power button in the center of the top edge of the Touchscreen for approximately 5 seconds to power down the device. A second quick press of the same power button will result in the rebooting of the Touchscreen device which will result in the device being reconnected to the system.

The following is based on information from the manufacturer regarding the absolute maximum distances (highlighted in blue) for common wire gauges for the Touchscreen:

Current rating

AWG	wire number	diameter of single wire	Conductor cross section in mm2 (S)	Current Rating (A)	Length (m) @ 4.5 ohms resistance	Length (ft)
24AWG	7	0.2	0.22	1.98	57.56	188.84
22AWG	19	0.16	0.382	3.44	99.94	327.89
20AWG	20	0.195	0.597	5.38	156.19	512.44
18AWG	41	0.16	0.824	16.49	215.58	707.29

Operating specifications
Temperature: 32° to 122°F (0° to 50°C) Indoor use only
Power source
AC power plug
AC power input: 100-120V, 60Hz, 0.8A
DC power output 12V, 2.0A
Backup Battery: rechargeable lithium-ion

Important safety information
1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.

6. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.
7. Do not store batteries with hazardous or combustible materials. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire or high temperatures.
8. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit **call2recycle.org** and, in the "Find a recycling location" field, enter your ZIP Code to find your nearest battery recycling facility.
9. Do not drop the device or subject it to physical shock.
10. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
11. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where it exits from the device.
12. Only use the AC adapter supplied with this device. Do not use a power supply from another device or another manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.
13. Do not defeat the safety purpose of the polarized plug. A polarized plug has two blades, with one wider than the other. If the provided plug does not fit into your outlet, consult an electrician for replacement of the
obsolete outlet.
14. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
15. CAUTION: Risk of explosion if battery is replaced with an incorrect type.

Regulatory approvals
FCC statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC radiation exposure statement

• This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
• This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 7.87 in. (20 cm) between the radiator and your body.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Note: FCC information can be found on the back of the device.

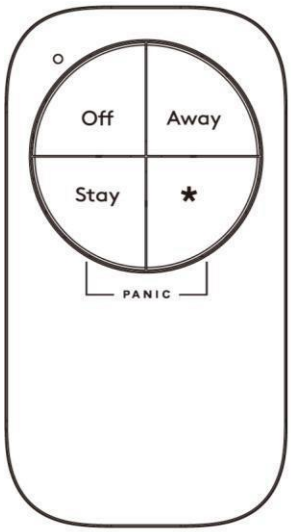
Open-source software notice
For information about the open-source code under GPL, LGPL, MPL and other open-source licenses that are contained in this product, please visit **help.adt.com/s/article/adt-open-source**. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

Warranty
For warranty details, visit: **help.adt.com/s/article/warranty**

Company address
ADT LLC
1501 Yamato Road
Boca Raton, FL 33431

Questions?
Give us a call at **(888) 392-2039** or visit us at **i.adt.com/touchscreen** where you can also find the complete owner's manual.

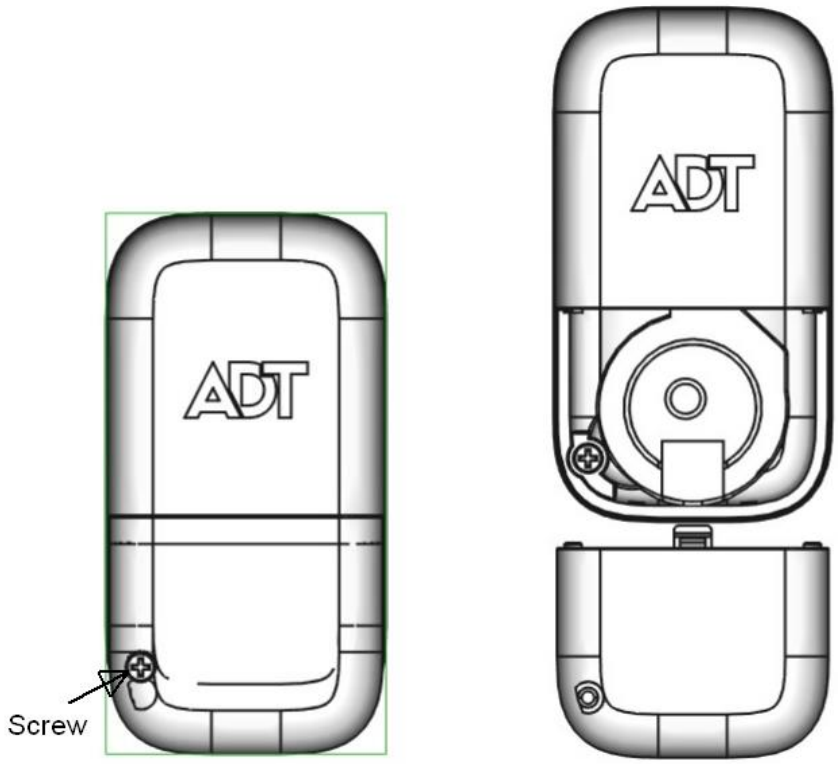
4.15. ADT Keychain Remote (SKF3R0-29-WH)



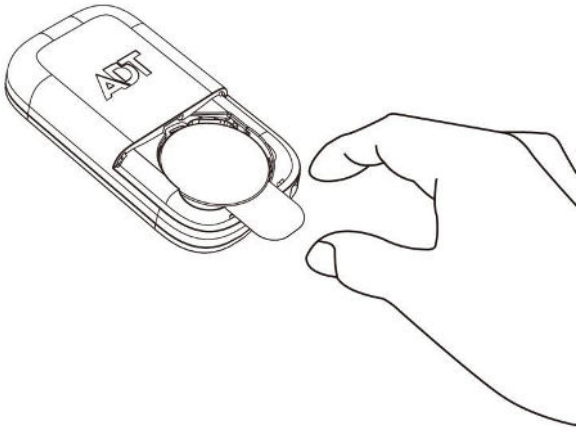
The ADT Keychain Remote is a wireless smart home keychain that allows you to arm/disarm your system in Away, Stay, and Off modes. When triggered within range, the remote's panic button sets off a panic alarm on your security system. If your security system is monitored, the panic alarm triggers the monitoring center to request police dispatch automatically to the monitoring location of your system.

Installation

1. Remove the screw and slide the back cover off to reveal the battery with its activation tab.



2. Pull out the activation tab to engage the battery and activate the keychain remote. Replace the battery cover.
   NOTE: As a child safety precaution, always keep the keychain remote out of reach of children



3. The LED indicator blinks for 90 seconds while attempting to pair with the ADT Base.
4. Upon completion of installation, verify that the keypad is working properly.

Programming

Your ADT system can support one ADT Keychain Remote per unique user in a single system. Each keychain remote must be registered into the system for a specific user before use. The keychain remote shipped with your ADT Base was pre-registered before shipment. Additional keychain remotes may be registered by using the ADT+ App. To register a keychain remote, select

Menu > Devices > (+) Add Device > Security Devices > Keychain Remote. Enter the Settings tab of the app and follow the on-screen prompts. When prompted, press the AWAY and OFF keys simultaneously on the keychain remote for 3 seconds. The ADT Base will respond with audio confirmation and the apps will show a success message. If the ADT Keychain Remote fails to register with the ADT Base, the apps will show a failure message. Possible causes of registration failure include keychain remote not powered via battery, wrong keys pressed, keychain remote out of range with the ADT Base, or keychain remote already registered to a different user.

Using the ADT Keychain Remote

The ADT Keychain Remote must be used within good communications range of the ADT Base. While range varies with house construction, it is generally sufficient if the keychain remote is used within 30 to 50 yards of the ADT Base.

To prevent accidental transmissions (such as while in a pocket or purse), the keychain remote will ignore all key presses shorter than ½ of a second or longer than 5 seconds.

The keychain remote will sleep within 5 seconds after the last key has been pressed. The next time you press a key, the keychain remote must obtain system status from the ADT Base. This status update may take 2 to 5 seconds to receive, and then the LED will show current ADT system status.

After you send a command to the ADT Base, the keychain remote must obtain new system status. This will again take 2 to 5 seconds, and then the LED will update to the new status.

To arm your ADT system using the keychain remote, press and hold one of Away or Stay for 2 seconds. Note that you may only arm your system if current status is Ready to Arm. If the system is in Not Ready to Arm, and you press either Away or Stay on the keychain remote, it will bypass any open sensor(s) (not arm the system) for 30 seconds. The next press of a button will arm the system in either Stay or Away. Note that after 30 seconds of bypassing any open sensor(s), if the system is not armed, the ADT Base will transition back to Not Ready to Arm.

To disarm your ADT system, press and hold the OFF key for 2 seconds.

To use the panic mode, simultaneously press and hold the STAY and * buttons.

The * button is for future features and has no present function when pressed alone.

Verify the keychain remote is working properly after initial setup.

LED status

The status LED will only operate while in use (i.e., while pressing keys and for 5 seconds thereafter).

LED color	ENGLISH
Solid green	READY TO ARM
Flashing green	NOT READY TO ARM
Blue	ARMED (any type)
Flashing blue	ENTRY or EXIT DELAY
Flashing red	ALARMED, EXIT ALARM, or PANIC

Batteries

Replace only with a CR2450 battery, 3.0 V, 620 mAh. Recommended brands include Murata and Panasonic. The ADT Keychain Remote will detect a low battery condition and report this via messaging to the ADT Base.

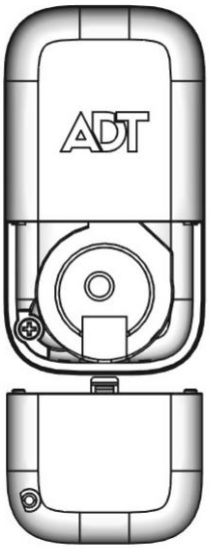
Battery replacement

- Flip unit over, remove the screw and slide the battery cover off as shown below.
- Pop or gently pry the battery out.
- Replace the battery from the recommended list with its positive side up and replace the cover.

⚠ WARNING

- **INGESTION HAZARD**: This product contains a button cell or coin cell battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**.
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.
- Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Battery type CR2450, 3 volts nominal.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 85°C or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations."
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.



Warning: the battery polarity must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with correct batteries. Batteries must not be recharged, disassembled or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area. Keep away from small children. If batteries are swallowed, immediately see a doctor. California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate

4.16. ADT Translator (SSB5R0-34-WH)

The Translator is used in DIFM install sales for a legacy hardwired or wireless takeover or upgrade to the V5 security system in situations when the home has existing hardwired or wireless sensors. The Translator is the bridging device that connects to existing hardwired sensors and converts the signal into DECT/ULE in order to communicate with the ADT Base. Events from the hardwired sensors are forwarded through the Translator and reported to the Base. This reduces the need to replace sensors already installed in a home. The Translator can perform the same takeover function of legacy narrow-band sub-GHz sensors operating in the 345 MHz, 433 MHz, and 319 MHz bands. Note: The ADT Translator supports unencrypted versions of the sensors, but it does not currently support encrypted versions.

Locating the ADT Translator
In the case of taking over an existing 2 or 4 wire hardwired installation, the Translator should be mounted on a wall near where the existing wires terminate. Use the included screws and wall anchors as appropriate to mount the device. The power supply is meant to be mounted remotely and installer supplied wire (22 AWG or larger) can be run from the AC plug mounted power supply and terminated at the Translator.

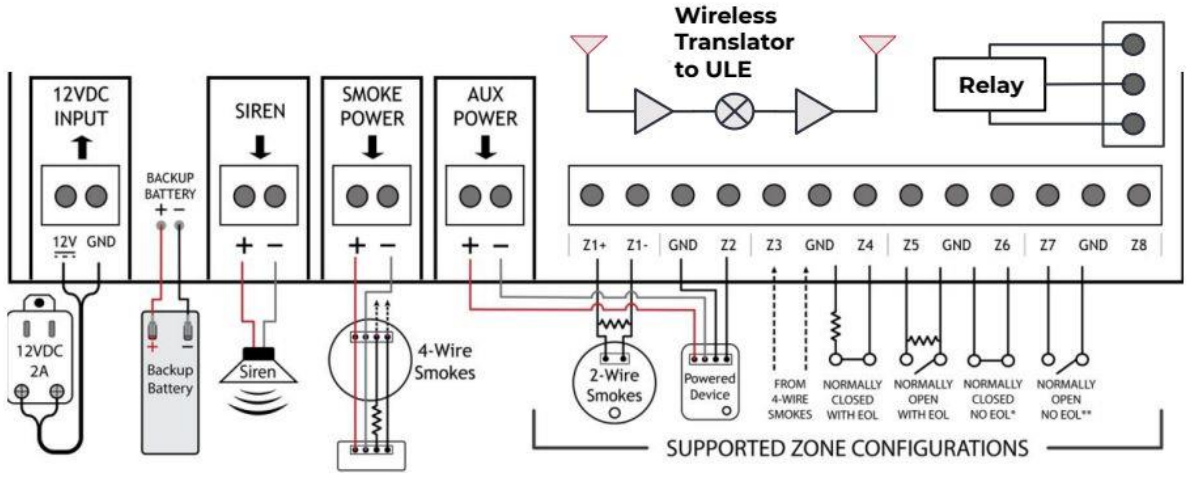
In the case of taking over an existing wireless installation, the unit should be centrally located. Mounting and power supply are the same as for a hardwired application. Avoid mounting the Translator near large metal appliances such as refrigerators, furnaces, etc.

To enroll the Translator press and release the Enroll/Reset Button. The LED should begin pulsing blue indicating that the enrollment mode is active.

Operating specifications
Temperature: 32° to 104° (0° to 40°C) at 0-95% relative humidity, non-condensing.

Power source
AC power plug
AC power input: 100-120V, 60Hz, 0.8A
DC power output: 12V, 2.0A
Backup battery: rechargeable lead acid battery

Wiring Diagram
The figure below shows the Translator wiring diagram.



NOTE: Zone-Doubling is not supported in this configuration. Zone-Doubling is a method of using different resistor values to allow zones 2-8 to each be treated as two separate zones. When zone 2 is doubled, it becomes both zone 2 and 10. As an example, Zone 2 uses a 3K resistor, and zone 10 uses a 6.2K resistor. Again, Zone-Doubling is not supported in this configuration.

The Translator supports up to 8 zones, and includes 2-Wire smoke detectors, 4-Wire smoke detectors, and an assortment of Normally Open / Normally Closed (NO/NC) zones. A complete description is listed below:

1. 12VDC INPUT – Primary source of power for the Translator. During installation, run a 22 AWG wire or heavier from the supplied wall unit to the Translator 12VDC INPUT, noting the polarity. Maximum wire length is shown below:

WIRE GAUGE	MAXIMUM DISTANCE BETWEEN POWER SUPPLY AND CONTROL
#22	Up to 20 feet
#20	Up to 30 feet
#18	Up to 50 feet

2. BACKUP BATTERY – This connects to the internal 12VDC, 7AH lead acid back-up battery. Battery is made by Universal Battery, UB1270r, (12V, 7Ah). When replacing, use the same brand and part number.
3. SIREN – This optional output supports an external siren or similar device. Output is 12VDC @ 600ma max. Note the output voltage polarity. Note: The output is for a siren and not a speaker. The test feature can be used to verify the connected siren sounds when it is enabled.
4. SMOKE POWER – Used to support connection to 4-wire smoke detectors. Output is 12VDC @ 600ma max. Note the output voltage polarity.
5. AUX POWER – Used to support connection to other sensors requiring an external source of power. Output is 12VDC @ 600ma max. Note the output voltage polarity.

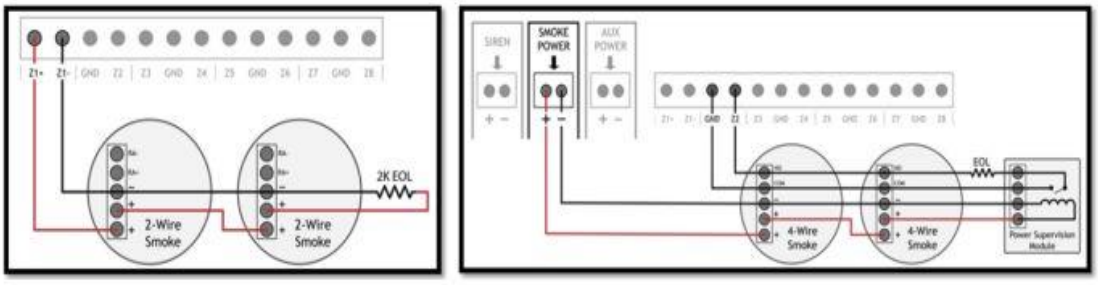
Note: AUX/SMOKE POWER Outputs

For UL1023 Installations (4-Hour backup) - 600mA Max on Aux (Smoke output unused).

For UL985 Installations (24 Hour backup) - Combined non-alarm current for Aux and Smoke Power outputs must not exceed 180mA.

6. Z1+, Z1- - Zone one, used for 2-wire smoke detectors (up to 16 supported). Rated 12 VDC, 600 ma. See the figure below for a typical connection. Zone 1 may be used for any hardwired device type, including 4-wire smokes. However, Zone 1 is the only input that supports 2-wire smokes and so it must be used for 2-wire smokes if present.

Zones 2 through 8, GNDs – Used for unpowered/powered devices and 4-wire smoke detectors. Figure AA shows a typical 4-wire smoke connection and table BB provides additional information on zone connections and terminations. Note: when connecting 2-wire smoke sensors the wires must be connected to Z1+ and Z1-. For any other device types the wires must be connected between Z1+, Z2, Z3,….Z8 and GND.



ZONES	
Supported Types	
Non-Powered Zones	
Powered Zones	4-Wire devices only (9-14VDC)
4-Wire Smoke Detectors	Up to 16 detectors limited to max current of 600mA (9-14VDC)
2-Wire Smoke Detectors	Supported 2-Wire smoke detectors listed in Section 3C. Up to 16 detectors.
Zone End of Line Resistor	
2-Wire smoke detector EOL	2k ohms (EOLR2000)
4-Wire smoke detector EOL	750-10k ohms (EOLRXXXX, where XXXX is 0075 to 1000)
N/C with EOL	750-10k ohms
N/O with EOL	750-10k ohms
N/C with no EOL	Allowed but not supported for UL985 installations
N/O with no EOL	Allowed but not supported for UL985 or UL1023 installations
Zone Wire	
Wire Length	1000 feet max
Wire Gauge	22 AWG min

LED Behavior

COLOR	STATE	CAUSES	NOTES
WHITE	SOLID	New firmware validation check Loading new firmware image Initializing hardware Writing configuration data to non-volatile memory	DO NOT remove power to the bridge in this state
	RAPID BLINKING	Input power overvoltage Aux Power output fault detected Smoke power output fault detected Siren power output fault detected	
PINK	RAPID BLINKING	Enroll/Reset held	
	SOLID	Factory default in progress	DO NOT remove power to the bridge in this state
RED	SOLID	Idle and not registered to Base	
BLUE	BREATHING	DECT/ULE registration mode active	

	BLINK	Received message from base	
	SOLID	Idle and registered to base	
	RAPID BLINKING	New firmware downloading from Base	
RED<-->BLUE	CONSTANT FADING	Base Communications Failure	
YELLOW	SOLID	Hardwired or Wireless Enroll/Configuration mode active	
	BLINKING	Aux or Smoke Power Lockout/reset in progress	
RED, YELLOW, GREEN	MOMENTARY BLINK	Wireless sensor packet received.	

There is a 2-minute hardwired zone lockout that occurs after power up. During this time, zone activity from non-passive hardwired device types will be suppressed (Motion sensors, glass breaks, 2 and 4-wire smokes, etc).

Note: The proper power down sequence is as follows:

1. **Remove AC power**
2. **Wait while the LED is solid white**
3. **Remove backup battery connection**

Holding the Enroll/Reset button long enough will result in that it turns solid pink and will cause the bridge to be forcefully unenrolled from the base.

Important safety information

1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Do not store batteries with hazardous or combustible materials.
7. Keep batteries away from children.
8. Store spare batteries in a cool, dry and ventilated area.
9. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.
10. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire or high temperatures.
11. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit **call2recycle.org** and in the "Find a recycling location" field, enter your ZIP Code to find your nearest battery recycling facility.
12. Do not drop the device or subject it to physical shock.

13. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
14. **WARNING:** This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
15. **CAUTION:** Risk of explosion if battery is replaced with an incorrect type.

Regulatory approvals
FCC statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC radiation exposure statement
• This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
• This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 7.87 in. (20 cm) between the radiator and your body.
Note: FCC label can be found on the back side of the device.

4.17. ADT Alarm Range Extender (SSEX5R0-29-WH)

The ADT Alarm Range Extender is a plug-in ULE/ULE (Ultra Low Energy) extender used to increase the range between the system base and the remote sensors. This product is targeted for applications where the property being secured spans a larger physical distance than a standard single-family home and may include multiple buildings at one site potentially spanning multiple acres.

The Alarm Range Extender receives messages that originate from the ADT Base via ULE and forwards them over the UART (Universal Asynchronous Receiver-Transmitter) interface to a second ULE device.

In addition, the Alarm Range Extender receives messages originating from the deployed sensors and delivers them via ULE to the ADT Base. The Alarm Range Extender supports up to 128 ULE end devices.

Setting up your Alarm Range Extender
1. Open the ADT+ app.
2. Log into an existing account.
3. Select Menu > Devices > (+) Add Device > ADT Devices > Security Devices > Alarm Range Extender.
4. Follow the in-app steps to power on your Alarm Range Extender.

Operating specifications
Temperature: 32° to 104°F (0° to 40°C) at 5-95% relative humidity, non-condensing.

Locating the ADT Alarm Range Extender

The alarm range extender is capable of approximately doubling the range between an ADT Base and a sensor. The alarm range extender should be placed approximately halfway between the Base and the furthest sensor. Depending on home construction, electrical noise, and so forth, it may be advantageous to place the alarm range extender closer to the Base or closer to the Sensor. Using the ADT+ app you can verify the signal strength between each sensor and the Alarm Range extender, and you can also verify the signal strength between the Alarm Range Extender and the Base.

It is preferable to mount the Alarm Range Extender in an AC outlet that is not blocked by furniture or anything else that may impede the radio signal.

The Alarm Range Extender may be secured to the wall outlet to prevent it from being accidentally unplugged. To secure the Alarm Range Extender, proceed as follows:

1. Unplug your extender from the outlet.
2. Slide up the tab on the back of your extender.
3. Using a screwdriver, remove the screw at the center (or top) of your outlet cover.
4. Plug your extender into the outlet.
5. Use the included screw from the bottom of your extender's box to attach the extender's tab to the outlet cover.

Power source
AC power plug
AC power input: 100-120V ~50-60Hz, 0.07A max

The ADT Alarm Range Extender has 3 LED status indicators on the front to indicate the status of the device **Power,** Extender to **Base** signal, and Extender to **Sensor** signal.

A green LED indicates that the status is as expected with no issues detected. See the table below for the meaning of other possible LED colors.

ADT Alarm Range Extender Settings

Launch the ADT+ App. Once logged in, select **Menu > Devices > Security Devices > Alarm Range Extender:**

Anytime that a user changes a parameter setting for the Alarm Ranger Extender and click on Save a Device Status screen is displayed with the following information:

Device Status
Connection Strength

Backup Battery Level

Device Settings
Name

Sensor Connection
This display-only list shows the current signal strength between the Alarm Range Extender and each of the connected sensors.
Possible signal strength values are: Offline, Weak, Okay, Good, Strong. For acceptable performance, the signal strength should be at least in the Okay range.

Device Information
This display-only list shows the following fields: Model, ID, Serial Number and Firmware Version.

Extender Connectivity LED	Enrollment		Test		Connection State (To Base)	
	Search Mode	Enroll Success	Ready	Connection (In range)	Jam Detect	Connection loss
Extender to Base LED	Flash Blue	Solid Blue	Flash Yellow	Solid Green	Solid Red	* Slow Flash Red
Extender to Sensor LED	Flash Blue	Solid Blue	Flash Yellow	Solid Green		
						* Slow = 100 ms every 20s

Extender Power LED	A.C.	Battery				
	A.C. Power	On Battery	Low Battery	No Power		
Power LED	Solid Green	* Slow Flash Yellow	* Fast Flash Yellow	No LED		
		* Slow = 100 ms every 20s	* Fast = 100 ms every 5 seconds			

Important safety information
1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Do not store batteries with hazardous or combustible materials.
7. Keep batteries away from children.
8. Store spare batteries in a cool, dry and ventilated area.
9. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.
10. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire or high temperatures.
11. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local

waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit call2recycle.org and in the “Find a recycling location” field, enter your ZIP Code to find your nearest battery recycling facility.
12. Do not drop the device or subject it to physical shock.
13. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
14. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
15. CAUTION: Risk of explosion if battery is replaced with an incorrect type.

Regulatory approvals
FCC statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC radiation exposure statement
• This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
• This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 7.87 in. (20 cm) between the radiator and your body.
Note: FCC label can be found on the back side of the device.

4.18. ADT Glass Break Sensor (SSGB5R0-29-WH)

Before you get started
You will need:

• ADT Base

• ADT+ App on the latest iOS or Android OS

• Phillips screwdriver or a drill with a Phillips driver bit (optional)

• Power drill with drill bits for pilot holes (optional)

The Glass Break Sensor listens for the sound of glass breaking and then alarms in the event of an intruder coming through the windows or doors. Ideal for rooms where there are several windows or glass patio doors.

The Glass Break Sensor is designed to detect breakage of the following types of glass, minimum size, and nominal thickness:

Glass Type	**Minimum Size**	**Nominal Thickness**
Plate	300 mm x 300 mm	2 mm – 10 mm
Tempered	300 mm x 300 mm	3 mm – 10 mm
Laminated	300 mm x 300 mm	3 mm – 14 mm
Wired	300 mm x 300 mm	6 mm
Coated	300 mm x 300 mm	3 mm – 6 mm
Sealed Insulating	300 mm x 300 mm	3 mm each pane, 13 mm overall 6 mm each pane, 19 mm overall

Operating specifications
Temperature:
32° to 131°F (0° to 55°C) at 5-95% relative humidity, non-condensing

Setting up your ADT Glass Break Sensor
1. Open the ADT+ App and log in to an existing account.
2**.** Select **Menu > Devices > (+) Add Device > Sensors and Detectors > Glass Break Sensor.**
3. Follow the in-app steps to power on the sensor and mount it properly.

Placement of the Device
Place your sensor on a wall or ceiling within clear view of where you want breaking glass to be detected. For better detection, avoid placing it on the same wall as the glass.

This sensor detects the sound of glass breaking from 2 to 25 feet away. Place it at least 6.5 feet above the floor.

Place your sensor away from any sources of ambient noise, like air ducts or doorbells. Heavy window coverings can interfere with your sensor's ability to detect breaking glass.

Battery replacement:

- Open the battery cover of the device.
- Insert four CR123A batteries.
- Close the battery cover.

- The green LED starts blinking when it is ready to join the ADT system.
- Please only use CR123A batteries.

Important safety information

1. Read and keep these instructions.
2. Clean only with a dry cloth.
3. Set up in accordance with the manufacturer's instructions.
4. Do not set up near any heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.
5. Only use attachments/accessories specified by the manufacturer.
6. Use only with the bracket specified by the manufacturer or sold with the device.
7. Do not store batteries with hazardous or combustible materials.
8. Keep batteries away from children.
9. Store spare batteries in a cool, dry and ventilated area.
10. The device should not be exposed to dripping or splashing water. Items filled with liquids, such as vases or hoses, should not be placed on or near the device.
11. Batteries can explode, catch fire and/or cause burns if disassembled, punctured, cut, crushed, short-circuited, incinerated, recharged (disposable cells) or exposed to water, fire or high temperatures.
12. Do not use counterfeit or inferior-quality batteries. Do not use rechargeable batteries.
13. Disposing of your device and old battery: ADT is committed to environmental protection and sustainability. We strongly encourage you to recycle your device and old battery in accordance with local waste and recycling laws. The device and battery cannot be disposed of with regular household waste. Please visit call2recycle.org and in the "Find a recycling location" field, enter your ZIP Code to find your nearest battery recycling facility.
14. Do not drop the device or subject it to physical shock.
15. Do not use high-voltage products around this device (e.g., electrical swatter) as this product may malfunction due to electrical shock.
16. WARNING: This product contains chemicals known to the State of California to cause cancer and congenital disabilities or other reproductive harm. Wash hands after handling.
17. CAUTION: Risk of explosion if battery is replaced with an incorrect type.

Regulatory approvals

FCC statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC radiation exposure statement
• This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
• This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 7.87 in. (20 cm) between the radiator and your body.
Note: FCC label can be found on the back side of the device.

5.0 Settings

The ADT Application presents a menu for accessing the settings of the system. Swipe to reach Settings icon, enter the Security Code, and select the device you wish to edit. The available settings are presented below for each type of device. Each setting is found on the appropriate menu.

ADT Base

Name (16-character limit)	Alphanumeric
Chime	Yes | No
Entry Tone	Yes | No
Away Exit Tone	Yes | No
Stay Exit Tone	Yes | No
Alarm Siren	Yes | No

ADT Door/Window Sensor

Name (16-character limit)	Alphanumeric
Placement	Door | Window | Other
Alarm Type	Away | Stay and Away | Convenience
Entry Delay	0 | 30 sec | 45 sec | 60 sec | 90 sec | 120 sec (Door)
Chime Enabled	Yes | No
Cross Zoning	Yes | No
Swinger Shutdown	Yes | No
Abort Window Time	Yes | No
Software Status	Current Version | Available Version -display only

ADT V4 Smoke Detector

Name (16-character limit)	Alphanumeric
Swinger Shutdown	Yes | No
Alarm Verification	Yes | No
Software Status	Current Version | Available Version -display only

ADT Motion Sensor

Name (16-character limit)	Alphanumeric
Alarm Type	Away | Stay and Away | Convenience
Entry Delay	30 sec | 45 sec| 60 sec | 90 sec | 2 min | 4 min

Chime Enabled	Yes | No
Cross Zoning	Yes | No
Swinger Shutdown	Yes | No
Abort Window Time	Yes | No
Software Status	Current Version | Available Version -display only

ADT Water and Temperature Sensor

Name (16-character limit)	Alphanumeric
Chime Enabled	Yes | No
Sound Type	None | Chime | Local Alarm
Software Status	Current Version | Available Version -display only

ADT Indoor Siren

Name (16-character limit)	Alphanumeric
Software Status	Current Version | Available Version -display only

ADT Heat Detector

Name (16-character limit)	Alphanumeric
Software Status	Current Version | Available Version -display only

ADT Carbon Monoxide Detector

Name (16-character limit)	Alphanumeric
Software Status	Current Version | Available Version -display only

ADT Smoke and Supplemental Heat Detector

Name (16-character limit)	Alphanumeric
Alarm Verification	Yes | No
Swinger Shutdown	Yes | No
Software Status	Current Version | Available Version -display only

ADT Smoke, CO, and Supplemental Heat Detector

Name (16-character limit)	Alphanumeric
Alarm Verification	Yes | No

Swinger Shutdown	Yes | No
Software Status	Current Version | Available Version -display only

ADT Premium Door/Window Sensor

Name (16-character limit)	Alphanumeric
Placement	Door | Window | Other
Alarm Type	Away | Stay and Away | Convenience
Entry Delay	0 | 30 sec | 45 sec | 60 sec | 90 sec | 120 sec
Chime Enabled	Yes | No
Cross Zoning	Yes | No
Swinger Shutdown	Yes | No
Abort Window Time	Yes | No
Shock Sensing	Yes | No
External Sensor Connected	Yes | No
Magnet Sensor Enabled	Yes | No
Bypass Button Enabled	Yes | No
Shock Sensitivity	Least (16G), Less (8G), More (4G), Most (2G)
Software Status	Current Version | Available Version -display only

ADT Keypad

Name (16-character limit)	Alphanumeric
Panic Enabled	Yes | No
Chime Enabled	Yes | No
Entry Delay Tone Enabled	Yes | No
Away Exit Tone Enabled	Yes | No
Stay Exit Tone Enabled	Yes | No
Alarm Siren Enabled	Yes | No
Keypress Tone	Yes | No
Speaker Volume	0 (Mute), or 1 (Minimum) through 9 (Maximum)
Power LED Brightness	0 (Off), 1 (Minimum), 2 (Medium), 3 (Maximum)
Button LED Brightness	1 (Minimum), 2 (Medium), 3 (Maximum)

Ring LED Brightness	1 (Minimum), 2 (Medium), 3 (Maximum)
Software Status	Current Version | Available Version -display only

ADT Touchscreen

Name (16-character limit)	Alphanumeric
Chime Enabled	Yes | No
Panic Enabled	Yes | No
Entry Tone Enabled	Yes | No
Entry Away Tone Enabled	Yes | No
Entry Stay Tone Enabled	Yes | No
Alarm Siren	Yes | No
Software Status	Current Version | Available Version -display only

ADT Keychain Remote

User	Assigned to a user
Access to Panic Mode	Yes | No
Software Status	Current Version | Available Version -display only

ADT Translator

User	Assigned to a user
Software Status	Current Version | Available Version -display only

ADT Alarm Range Extender

User	Assigned to a user
Software Status	Current Version | Available Version -display only

ADT Glass Break Sensor

Name (16-character limit)	Alphanumeric
Software Status	Current Version | Available Version -display only

Users

Primary User

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

Admin User

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

Standard User

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

Basic User

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

Duress User

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

5.1. **False Alarm Prevention and SIA CP-01 Settings**

Your ADT Base includes features intended to help you reduce false alarms. Studies by security industry organizations and law enforcement have determined that many false alarms can be avoided through better understanding of security systems and by setting certain parameters to more user-friendly levels. The industry has adopted a standard known as ANSI/SIA CP-01 which is now required in many municipalities and is implemented in your ADT security system. The following table summarizes many of the key features.

5.1.1 Exiting Your Home

Exit Time – This is a period of time after you Arm the system during which you may exit your premises without tripping an Alarm. Your system provides a range of times from 45 seconds to 4 minutes. The default (and recommended) setting is 60 seconds. This may be changed in ADT+ App | Settings | Security System | Settings. However, there is exception to this setting during Remote Arming. (See below.)

Progress Annunciation – During the Exit Time, your system will beep to let you know that Arming is in progress. During the last 10 seconds, the beeping will speed up to warn you that the Exit Time is about to

expire. When the beeping stops, the system is Armed. During Entry Delay, your system will beep to let you know that the system will Alarm if it is not Disarmed prior to expiration of Entry Delay. When the beeping stops, the system will Alarm if you have not Disarmed.

Exit Time Restart – The system includes an option whereby during Exit Time, if a sensor trips, restores, and then trips again prior to the end of Exit Time, the Exit Time will restart. This might occur, for example, if you exit the premises and then immediately return during the Exit Time to retrieve something. The default setting of this option is ON.

Exit Error – Exit Error occurs if a sensor is tripped when Exit Time expires. This might occur if a door was not fully closed after leaving the premises. Depending on the Arm mode, Entry Delay will begin immediately. If the system is not Disarmed before Entry Delay expires, an Alarm will be sent to the monitoring center with an Exit Error message included.

Unvacated Premises/Auto Stay –The system includes an option whereby if you Arm Away from within your premises, but do not exit the premises (i.e., a door does not open), the system will Arm Stay instead. If you have motion sensors, for example, set to Away but not to Stay, the motions sensors will therefore not be monitored. The default setting of this option is ON but may be changed in ADT+ App | Settings | Security System | Settings.

5.1.2 Entering Your Home

Entry Delay – This is a period of time after entry to the premises to Disarm the system before the system Alarms. Entry Delay is selected by sensor. Your system provides a range of times from 30 seconds to 4 minutes. The default (and recommended) setting is 30 seconds. This may be changed in ADT+ App | Settings | Sensors. However, there is exception to this setting – Arm Night Stay overrides Entry Delay. Window sensors are no longer offered an Entry Delay option, and all newly set up window sensors have no (zero) Entry Delay.

Disarm – When the system is in Entry Delay, you must Disarm to prevent an Alarm. On the keypad you may just enter your 4-digit Security Code. The beeping during Entry Delay will stop when you press the first digit. However, if your code is incorrect or times out, the beeping will resume. Other methods also exist to Disarm, such as the ADT Keychain Remote or ADT+ App.

5.1.3 Remote Arming Using the ADT Keychain Remote

Your ADT Keychain Remote is a remote-control device. The buttons are mechanically designed to minimize inadvertent activation of the Arm and Cancel buttons. However, if car keys or other objects press against these buttons while in your pocket or purse, the system may Arm or Disarm without your knowledge. If this occurs, take steps to avoid objects from pressing these buttons in the future.

Remote Arming – The system includes an option whereby no Exit Time is applied when the system is Armed using the keychain remote. The default setting of this option is OFF (i.e. Exit Time is applied when Arming from keychain remote), but may be changed in ADT+ App | Settings | Security System | Settings | Remote Arming Exit Delay.

When the system is Disarmed using the keychain remote and no sensor has been tripped, Entry Delay does not apply. This might occur if you Disarm from outside the premises and before you open your door.

The keychain remote will blink red/green to indicate whether a command was successful. The keychain remote will also quietly chirp. If you press Away or Stay, a single green blink means successful Arm while a double red blink means the Arm was not successful (a door or window is open and the system is Not Ready to Arm). If you press Cancel, a double green blink means the Disarm was successful.

In order to activate Panic from your keychain remote, two steps are required. First, you must enable the panic feature via the ADT+ App | Settings | Keychain Remote. Second, you must press and hold both the Away and * buttons simultaneously for 2 seconds.

5.1.4 Alarm Timing and Cancelling Alarm

Abort Window – After Entry Delay expires, the local Alarm will sound. However, the system provides an additional delay known as Abort Window before the Alarm is sent to the monitoring center. The default setting for the Abort Window is 30 seconds. If you Disarm during the Abort Window, no Alarm is sent to the monitoring center. The display will indicate that no Alarm was sent. The system includes an option whereby Abort Window may be disabled for particular sensors in ADT+ App | Settings | Sensors. This means the Alarm will be sent to the monitoring center immediately after the Entry Delay expires, increasing the risk of a false alarm.

Disarm After Alarm – If an Alarm occurs, and then you Disarm the system, the system will display the sensors that caused the Alarm. This will help you determine the cause of the Alarm. This display will time out after a few seconds. However, you may also check your event log to review the events prior to the Alarm.

Cancel Window – Even after the Alarm has been sent to the monitoring center, you may still Cancel the Alarm by entering your 4-digit Security Code or pressing Cancel on your keychain remote. This will send an
Alarm Cancel message to the monitoring center, and the monitoring center will not dispatch. You may Cancel the Alarm at any time prior to dispatch using this method. The monitoring center may still call you to confirm status.

5.1.5 Panic and Duress

Duress Code - The system includes an option whereby you may set up a special Duress Code. A Duress Code can be used when you feel threatened due to one or more persons trying to force you to enter the premises and Disarm the system. When you enter the Duress Code, this sends a special Duress message to the monitoring center. The monitoring center may dispatch differently based on this special Duress message. You cannot Cancel a dispatch caused by the Duress Code; therefore, it should be used only in cases of actual duress or immediate bodily threat. If you elect to have a Duress Code, you must select a unique code different from the other Security Codes. This is set on ADT+ App | Security | Security Circle.

Panic Alarm via ADT Keypad – In order to avoid false alarms, the keypad requires a 2-step process. First, you must enable the panic feature via ADT+ App | Settings | Keypad. Second, you must press and hold the “*” and “#” keys for 2 seconds. Panic is set separately for each keypad and the default setting for Panic is OFF.

Panic Alarm via ADT Keychain Remote – In order to avoid false alarms, the keychain remote requires a 2-step process. First, you must enable the panic feature via ADT+ App | Settings | Keychain Remote. Second, you must press and hold the Away and * button for 2 seconds. Panic is set separately for each keychain remote and the default setting for Panic is OFF.

5.1.6 Sensor False Alarm Prevention

Cross Zoning – The system includes an option whereby 2 sensors must trip within 30 seconds before an Alarm is sent to the monitoring center. Cross Zone is selected by sensor in ADT+ App | Settings | Sensors. The default setting for Cross Zoning is OFF. Cross Zoning only works if at least 2 sensors have

Cross Zoning turned ON. Typically, a door/window sensor and a motion sensor are included in the Cross Zoning list. But you may place any door/window or motion sensor in the Cross Zoning list. Note that if only 1 sensor trips, but not a second sensor, the system does not alarm. If the first sensor does not restore (close), that sensor will be bypassed until the next Disarm. If the first sensor restores, that sensor will continue to participate in the Cross Zone logic.

Swinger shutdown –The system includes an operating mode whereby the system ignores a sensor if that sensor repeatedly trips after a limited number of trips. This might occur if a door or window was not completely shut and is "swinging in the wind". Swinger Trips is selected by sensor in ADT+ App | Settings | Sensors. The default setting is 2 and setting range is 1 to 6. For example, if the setting is 2, a sensor will be ignored after a "trip – Alarm – trip – Alarm" sequence. After that, no further trips will cause an Alarm. The Swinger count is only reset after a Disarm.

Fire alarm verification – The system includes an option whereby the system will check twice within 60 seconds to verify that a smoke detector is signaling a fire condition before sending a Fire Alarm to the monitoring center. The alarm will audibly sound at the first triggering of a fire detector, but no transmission to the monitoring center will be made until 60 seconds later if the sensor is still open. This enables a potential false signal to reset at the sensor. Fire Verify is selected by sensor in ADT+ App | Settings | Sensors. The default setting is OFF, meaning that the Fire Alarm will be sent to the monitoring center without checking twice that a fire related sensor is tripped.

5.1.7 Other

System Test – The system includes an operating mode whereby the system allows testing of all sensors, the controller, the siren, and communications. This system test is available on the ADT+ App | Settings | Test. System Test cannot be accessed if the system is Armed. During System Test mode, no Alarm will be sent to the monitoring center. During the test, the display will indicate the test mode selected. The ADT Base will time out of System Test upon 5 minutes of no activity and will continually beep to indicate that the System Test has terminated.

6.0 Controlling Your System

	ARM STAY	ARM AWAY	ARM NIGHT	DISARM	PANIC
DEFINITION	Use while you are staying in your home. Your system will provide an Exit Delay and an Entry Delay. This mode will also ignore specific sensors not set for Stay mode (for example motion sensors as typically only used in Away mode). During Exit Delay, the beep will increase during the last 10 seconds of arming.	Use when no one is at home. Your system will provide an Exit Delay and an Entry Delay. During Exit Delay, the beep will increase during the last 10 seconds of arming.	Use when you are in for the night and not expecting anyone to enter or exit the home. Your system will not provide an Exit Delay or Entry Delay. This mode will also ignore specific sensors not set for Stay mode (for example motion sensors as typically only used in Away mode).	Use this whenever you want to cancel any alarm you've caused.	Use this when you want to send a signal to the monitoring center immediately. The PANIC button will send a message to the Alarm Monitoring Center to contact the authorities without making a call to you to verify the alarm. NOTE: Do not test your system with the Panic Button.
KEYPAD	Press STAY on your ADT Keypad and enter your Code*. If One Touch Arming is enabled, press and hold STAY on your keypad. Your system is armed when the Exit Delay has expired.	Press AWAY on your Keypad and enter your Primary Code*. If One Touch Arming is enabled, press and hold AWAY on your keypad. • Your system is armed when the Exit Delay has expired. NOTE: If a door doesn't open and close during the Exit Delay, the system will automatically switch the arming mode to STAY.	Not available on the keypad	• Enter your Code*	• Press and hold Police, Medical or Fire for 3 seconds (if enabled). Enter your code
KEYCHAIN REMOTE	Press and hold STAY on the keychain remote for 2 seconds. The system will respond with a blinking light and a beep letting you know your system is armed.	Press and hold AWAY on the keychain remote for 2 seconds The system will respond with a blinking light and a beep letting you know your system is armed.	Not available on the keychain remote.	• Press Disarm (lock icon) to disarm the system before entering.	• Press and hold STAY and * at the same time for 2 seconds (if enabled and you're within range of the system).
SECURITY PORTAL (ADT+ BY ADT WEB)	Log in to the ADT+ App or ADT.com At the top of the webpage, click the icon of the house with a person inside of it labeled "STAY."	Log in to the ADT+ App or ADT.com At the top of the webpage, click the icon of the empty house labeled "AWAY."	Log in to the ADT+ App. or ADT.com At the top of the webpage, click the icon of the shield labeled "NIGHT."	Log in to the ADT+ App or ADT.com At the top of the webpage, click the DISARM button.	Not available through ADT+ web.

MOBILE APP	Drag the lock icon to the STAY arming symbol (the house with a vertical line within the house). Enter your Code*	• Drag the lock icon to the AWAY arming symbol (the house with a vertical line outside of the house). • Enter your Code*	• Drag the lock icon to the NIGHT arming symbol (the house with a crescent moon inside the house). • Enter your Code*	Drag the lock icon to the unlock icon labeled "Disarm." Enter your Code*	Not available on the mobile app.

7.0 ADT Base LED Patterns

7.1 S501R0-01-WH

Base Color Key
Green – Disarmed
Blue – Armed
Yellow – System Issue
Red – Alarmed/Disconnected
Purple – Firmware

Light Ring Quadrants are based on an analog clockface:
1st – 12:00 – 03:00
2nd – 03:00 – 06:00
3rd – 06:00 – 09:00
4th – 09:00 – 12:00

Base Connection and Firmware Update

Bootup
Power LED blinks white.

Connecting to Bluetooth
Power LED solid white.
First quadrant of light ring blinks blue.

Connecting to WiFi
First quadrant of light ring solid blue.
Second quadrant of light ring blinks blue.

Connecting to ADT
First two quadrants of light ring solid blue.
Third quadrant of light ring blinks blue.

Registering Account
First three quadrants of light ring solid blue.

Fourth quadrant of light ring blinks blue.

Firmware Update
Light ring blinks purple.

Base Connected
Light ring solid green for 3 seconds then fades off.

Connecting to WiFi Failed
Second quadrant of light ring blinks red.

Connecting to ADT Failed
Third quadrant of light ring blinks red.

Registering Account Failed
Fourth quadrant of light ring blinks red.

Base Pairing with Sensor

Disarmed
Disarm button solid green.
Arm and Panic buttons solid white.

Base Entering Pairing Mode
Light ring blinks blue.

Sensor Paired
Light ring solid green for 3 seconds.

Disarmed
Disarm button solid green.
Arm and Panic buttons solid white.

Disarmed to Armed Away

Disarmed
Proximity not detected.
Disarm button solid green.

Disarmed
Proximity detected.
Disarm button solid green.
Arm and Panic buttons solid white.

User Taps Away

Away button solid green.
Number pad appears.

User Enters PIN
Away button solid green.
Number pad blinks each time number is entered.

Exit Countdown
Away button solid green.
Green light ring starts to empty.

Armed Away
Away button solid blue.
Light ring solid blue for 3 seconds.

Armed Away
Away button solid blue.
Light ring fades off.

Armed Away
Proximity not detected.
Away button solid blue.

Armed Away to Disarmed

Armed Away
Proximity not detected.
Away button solid blue.

Sensor Faulted
Away button solid blue.
Arm and Panic buttons solid white.
Blue light ring starts to empty.

User Enters PIN
Away button solid blue.
Blue light ring continues to empty.
Number pad blinks each time number is entered.

Disarmed
Disarm button solid green.
Arm and Panic buttons solid white.

Disarmed
Proximity not detected.
Disarm button solid green.

Disarmed to Armed Stay with System Issue (Open Sensor, Tampered, Sensor Offline, Low Battery)

Disarmed
Proximity not detected.
Disarm button solid yellow.

Disarmed
Proximity detected.
Disarm button solid yellow.
Arm and Panic buttons solid white.

User Taps Stay
Stay button solid yellow.
Number pad appears.

User Enters PIN and bypasses issue
Stay button solid yellow.
Number pad blinks each time number is entered.

Countdown
Stay button solid green.
Green light ring starts to empty.

Armed Stay
Stay button solid blue.
Light ring solid blue for 3 seconds.

Armed Stay
Stay button solid blue.
Light ring fades off.

Armed Stay
Proximity not detected.
Stay button solid blue.

Disarmed to Panic

Disarmed
Proximity not detected.
Disarm button solid green.

Disarmed
Proximity detected.
Disarm button solid green.
Arm and Panic buttons solid white.

User Taps Police Panic
Police button solid white.

User presses and Holds Panic
Police button solid white.
Light ring fills red.

Exit Countdown
Police button solid red.
Light ring blinks red.
Number pad appears.
Burglary piezo siren plays.

Base Backup Battery

Base Using Backup Battery
Disarm button solid yellow.
Power button blinks once every 2 seconds.

Base Backup Battery Low
Disarm button solid yellow.
Power button blinks once per second.

End of Base LED Patterns

7.2 ADTBASE502R0-01-WH

Base Color Key
Green – Disarmed
Blue – Armed
Yellow – System Issue
Red – Alarmed/Disconnected
Purple – Firmware

Bar Graph Quadrants:
1st – 0% – 25%
2nd – 25% – 50%
3rd – 50% – 75%
4th – 75% – 100%

Base Connection and Firmware Update

Bootup
Power LED blinks white.

Connecting to Bluetooth
Power LED solid white.
First quadrant of light bar graph blinks blue.

Connecting to WiFi
First quadrant of light bar graph solid blue.
Second quadrant of light bar graph blinks blue.

Connecting to ADT
First two quadrants of light bar graph solid blue.
Third quadrant of light bar graph blinks blue.

Registering Account
First three quadrants of light bar graph solid blue.
Fourth quadrant of light bar graph blinks blue.

Firmware Update
Light bar graph blinks purple.

Base Connected
Light bar graph solid green for 3 seconds then fades off.

Connecting to WiFi Failed
Second quadrant of light bar graph blinks red.

Connecting to ADT Failed
Third quadrant of light bar graph blinks red.

Registering Account Failed
Fourth quadrant of light bar graph blinks red.

Base Pairing with Sensor

Disarmed
Disarm button solid green.
Arm and Panic buttons solid white.

Base Entering Pairing Mode
Light bar graph blinks blue.

Sensor Paired
Light bar graph solid green for 3 seconds.

Disarmed
Disarm button solid green.
Arm and Panic buttons solid white.

Disarmed to Armed Away

Disarmed
Proximity not detected.
Disarm button solid green.

Disarmed
Proximity detected.
Disarm button solid green.
Arm and Panic buttons solid white.

User Taps Away
Away button solid green.
Number pad appears.

User Enters PIN
Away button solid green.
Number pad blinks each time number is entered.

Exit Countdown
Away button solid green.
Green light bar graph starts to empty.

Armed Away
Away button solid blue.
Light bar graph solid blue for 3 seconds.

Armed Away
Away button solid blue.
Light bar graph fades off.

Armed Away
Proximity not detected.
Away button solid blue.

Armed Away to Disarmed

Armed Away
Proximity not detected.
Away button solid blue.

Sensor Faulted
Away button solid blue.
Arm and Panic buttons solid white.
Blue light bar graph starts to empty.

User Enters PIN
Away button solid blue.
Blue light bar graph continues to empty.
Number pad blinks each time number is entered.

Disarmed
Disarm button solid green.
Arm and Panic buttons solid white.

Disarmed
Proximity not detected.
Disarm button solid green.

Disarmed to Armed Stay with System Issue (Open Sensor, Tampered, Sensor Offline, Low Battery)

Disarmed
Proximity not detected.
Disarm button solid yellow.

Disarmed
Proximity detected.
Disarm button solid yellow.
Arm and Panic buttons solid white.

User Taps Stay
Stay button solid yellow.
Number pad appears.

User Enters PIN and bypasses issue
Stay button solid yellow.
Number pad blinks each time number is entered.

Countdown
Stay button solid green.
Green light bar graph starts to empty.

Armed Stay
Stay button solid blue.
Light bar graph solid blue for 3 seconds.

Armed Stay

Stay button solid blue.
Light bar graph fades off.

Armed Stay
Proximity not detected.
Stay button solid blue.

Disarmed to Panic

Disarmed
Proximity not detected.
Disarm button solid green.

Disarmed
Proximity detected.
Disarm button solid green.
Arm and Panic buttons solid white.

User Taps Police Panic
Police button solid white.

User presses and Holds Panic
Police button solid white.
Light bar graph fills red.

Exit Countdown
Police button solid red.
Light bar graph blinks red.
Number pad appears.
Burglary piezo siren plays.

Base Backup Battery

Base Using Backup Battery
Disarm button solid yellow.
Power button blinks once every 2 seconds.

Base Backup Battery Low
Disarm button solid yellow.
Power button blinks once per second.

8.0 Technical Specifications, System Testing, and Maintenance

8.1 Weekly testing is required to ensure proper operation of this system

The most common cause of a security system not functioning when an intrusion or fire occurs is inadequate maintenance. This security system should be tested weekly (including any smoke detectors) to make sure all sensors and transmitters are working properly.

Your ADT systems perform some testing and monitoring automatically. Once per week, provided that the network connections are operating, the system will test communications over internet and cellular (if all of these options are set up). Internet connected systems maintain a regular “heartbeat” whereby the ADT Base communicates with ADT’s server to report current status. Note AC power and low battery conditions are monitored in all devices with AC and/or batteries.

Except for keychain remotes that may be carried off-premises; all sensors are supervised by a check-in signal that is sent to the controllers at 70 to 90-minute intervals. If at least one check-in is not received from each supervised sensor within a 12-hour period, the "missing" sensor name(s) and "Lost" will be displayed on ADT+ App.

8.2 Trouble sounds

When the system detects a trouble condition, such as no AC power, low battery, lost sensor, or no internet, the system will display flashing yellow LED on the ADT Base. The system will also emit a unique tone. Use the ADT+ App to view the Trouble Condition. You can silence beeping for a period of 24 hours by pressing Cancel.

You can prevent trouble beeps from occurring during the nighttime hours by setting Trouble Silence Start and End times in the System Settings screens of ADT+ App.

Please note that Trouble Conditions are not sent to the monitoring center. Only alarms are sent to the monitoring center. Trouble Conditions are indicated locally on your ADT system by Trouble Sounds (audible) and LEDs (visual). Trouble Conditions are also sent to ADT servers, where they are recorded as events in your Event Log (for later perusal) and sent to you via text and email, provided you have set up these Alerts. If you wish, ADT will automatically set up Alerts for you so that you will receive any texts or emails if a Trouble Condition arises. You can also set up these Alerts yourself on ADT+ App.

8.3 Manual tests

In addition, ADT+ App includes manual tests that should be performed regularly.

1. Swipe to reach Settings icon and select
2. Enter Primary Code
3. Select Test

The following tests are available:

Siren Test - press OK to sound sirens.

Sensor Walk Test (Future Capability)

This presents a list of all of your sensors. Initially, this list has blanks (shown by ----) next to each sensor name. Once this list is shown, walk around your house and fault each sensor one at a time.

The sensor result will show PASS or FAIL. Use the scroll buttons to view the entire list and make sure that each sensor has been tested. (NOTE: Walk Test is a future capability).

8.4 Maintenance

This system should be checked by a qualified technician at least every 3 years.

You should treat the components of your system as you would any other high-value electronics. Make sure dirt or dust does not accumulate, especially on smoke detectors and motion sensors. Keep the keypad screen clean, and do not allow dust or lint to accumulate on or near the siren and speaker slots. Do not spray water or cleaning fluids onto any device. Use only a dry soft cloth.

8.5 Batteries

All components of your system include batteries. Depending upon usage of various sensors and other devices, battery life can be expected to range from 1 to 5 years. Please note that temperatures above 104F (40C) or below 32F (0C) for any extended period of time will shorten battery life and perhaps cause premature failure. When the system detects a battery reaching a low charge level, ADT+ App will display a Low Battery message along with the name(s) of the devices. You will normally have at least 1 week of warning to replace a low battery.

Replace batteries using the model numbers from the table below:

V5 Device	Battery Requirements	Quantity	Brand
Base	S40LRBR0-01 (3.7 volts, 2400 mAh nominal)	1	ADT
Door/Window Sensor	CR2 (3 volts, 800 mAh nominal)	1	Great Power, Lisun, Kinetik, Panasonic
Premium Door/Window Sensor	CR2 (3 volts, 800 mAh nominal)	1	Great Power, Lisun, Kinetik, Panasonic
V4 Smoke Detector	CR123A (3 volts, 1500 mAh nominal)	1	Great Power, Lisun, Kinetik, Panasonic
Motion Sensor	CR123A (3 volts, 1500 mAh nominal)	1	Great Power, Lisun, Kinetik, Panasonic
Water and Temperature Sensor	CR123A (3 volts, 1500 mAh nominal)	1	Great Power, Lisun, Kinetik, Panasonic
Indoor Siren	CR123A (3 volts, 1500 mAh nominal)	2	Great Power, Lisun, Kinetik, Panasonic
Heat Detector	CR123A (3 volts, 1500 mAh nominal)	2	Great Power, Lisun, Kinetik, Panasonic
Carbon Monoxide Detector	CR123A (3 volts, 1500 mAh nominal)	2	Great Power, Lisun, Kinetik, Panasonic
Smoke & Supplemental Heat Detector	CR123A (3 volts, 1500 mAh nominal)	3	Great Power, Lisun, Kinetik, Panasonic
Smoke, CO & Supplemental Heat Detector	CR123A (3 volts, 1500 mAh nominal)	3	Great Power, Lisun, Kinetik, Panasonic
Keypad AC Power	Included Backup battery	1	Tenergy

Keypad Battery Only	AA (1.5 volts, 1000 mAh nominal)	4	Fujitsu (need to confirm)
Touchscreen	Included Backup battery	1	---
Keychain Remote	CR2450 (3 volts, 620 mAh nominal)	1	Murata, Panasonic
Translator	Non-spillable Sealed Lead-Acid Battery AGM (Absorbent Glass Mat) Type UB1270r (Backup Battery)	1	UB1270r
Alarm Range Extender	Included Backup battery	1	tbd
Glass Break Sensor	CR123A (3 volts, 1500 mAh nominal)	4	Great Power, Lisun, Kinetik, Panasonic

Warning: the polarity of each battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with correct batteries. Batteries must not be recharged, disassembled or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area.

Keep away from small children. If batteries are swallowed, immediately see a doctor.

California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

9.0 **Glossary**

Alarm
The sound that is heard when your system is armed, and a sensor has been faulted or when the PANIC button has been pressed.

Alarm notification delay
When an alarm sounds, a notification signal is sent to the Alarm Monitoring Center after a delay of 30 seconds. The delay provides time for you to cancel a false alarm.

Arming your system
Arming your system means turning your system on to secure your premises.

Auto Stay
When the system is armed Away, but you don't leave the house, the system defaults back to armed Stay status. To override this default setting, Auto Stay can be set to "No" on ADT.com.

AWAY (Leaving Home)
Arm AWAY when leaving your home. All sensors are monitored (except those designated as a "NonMonitored Type"). An audible Exit Delay and Entry Delay is supported.

ADT Base
The ADT Base provides the system internet access and cellular backup.

Bypassing a sensor
Bypassing a sensor allows you to arm your system without monitoring or creating an alarm condition when a sensor is opened.

Chime
A chime is the sound made when a sensor is opened or closed.

Comm. Test
The communication test verifies alarms can be sent across internet and/or cellular to the alarm monitoring center. This is done automatically during activation but is run periodically to verify communications.

Disarming your system
This refers to turning your security system off. Disarming your system is done by pressing "X" on your keypad and then entering your Security Code.

Entry Delay
The Entry Delay gives you time to enter your armed home and disarm the system before the alarm sounds. The system beeps during the Entry Delay. NIGHT arming does not have an Entry Delay.

Event logs
The system logs all monitored Events that occur on your system, such as alarms sent to ADT Alarm Monitoring Center. You can view these Events with the ADT+ App.

Exit Delay
The Exit Delay gives you time to leave your home before the system is armed. NIGHT does not have an Exit Delay.

Faulted
Faulted occurs when an event a sensor is monitoring is detected, such as the opening of a door or window.

NIGHT
Arm Night when you are in for the evening and not expecting anyone to enter or leave from your home. There is no Entry or Exit Delay supported and an alarm will sound immediately upon faulting an armed sensor.

In-Test
You can request your system be put In-Test for up to 24 hours. During this time your system will not be monitored.

ADT Keychain Remote
An ADT Keychain Remote allows you to arm your security system from outside your home.

Primary Code
One Primary Code is supported, which you entered as part of your activation process. Only the Primary Code can be used to change your system settings, such as creating, editing, and deleting other Security Codes.

One Touch Arming
The system can be armed without having to enter a Security Code. When arming your system via the One Touch function, a long press of the Arm function (Arm Stay, Arm Away, or Arm Night) is required. The LED ring will fill with blue during the long press and once the ring is complete the system is armed. Default=Disabled

PANIC Alarm
A PANIC Alarm generates an alarm and the Alarm Monitoring Center contacts emergency authorities without phone call verification. The PANIC Alarm is generated by pressing the PANIC button located on the ADT+ App, “*” and “#” simultaneously on the ADT Base or Keypad, or by pressing Away and * on the keychain remote.

Practice
After a system is activated, it is in Practice mode for 7 days. Practice mode allows you to learn the system without causing false alarms. During this time, you are “Not Monitored” and there will be NO dispatch of authorities.

Sensors
Sensors monitor events and, when detected, report the events back to the ADT System.

Sensor magnets

Magnets are used with door/window sensors. Magnets are attached to a door or window, while the sensor is attached to a door or window frame.

STAY
Arm Stay while you are at home. A silent Exit Delay and an audible Entry Delay is supported.

Security Codes
Security Codes can arm and disarm your system.

10.0 **Basic Fire Escape Planning**

Your ability to get out depends on advance warning from smoke alarms and advance planning.

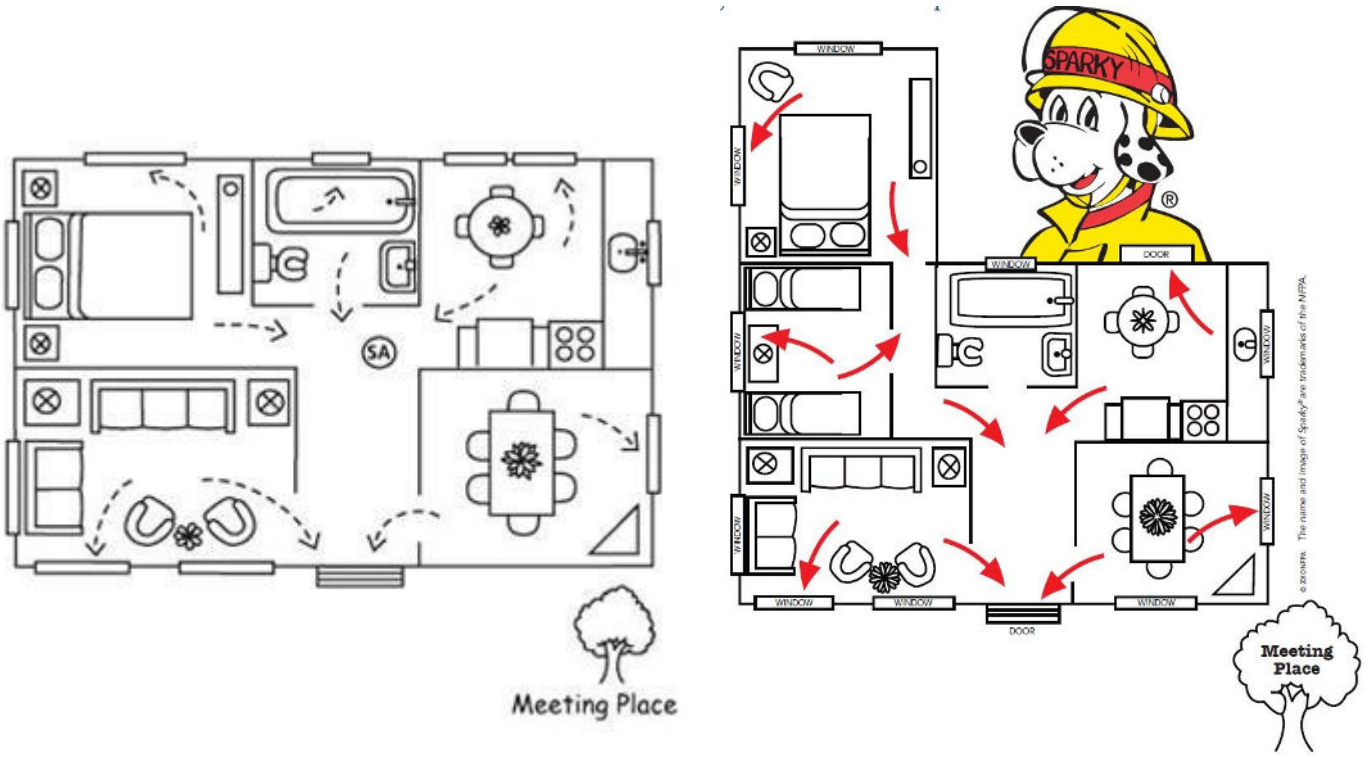
- Pull together everyone in your household and make a plan. Walk through your home and inspect all possible exits and escape routes. Households with children should consider drawing a floor plan of their home, marking two ways out of each room, including windows and doors. Also, mark the location of each smoke alarm.
- Install smoke alarms in every sleeping room, outside each sleeping area and on every level of the home. NFPA 72, National Fire Alarm Code® requires interconnected smoke alarms throughout the home. When one sounds, they all sound.
- Everyone in the household must understand the escape plan. When you walk through your plan, check to make sure the escape routes are clear, and doors and windows can be opened easily.
- Choose an outside meeting place (i.e., neighbor's house, a light post, mailbox, or stop sign) a safe distance in front of your home where everyone can meet after they've escaped. Make sure to mark the location of the meeting place on your escape plan.
- Go outside to see if your street number is clearly visible from the road. If not, paint it on the curb or install house numbers to ensure that responding emergency personnel can find your home.
- Have everyone memorize the emergency phone number of the fire department. That way any member of the household can call from a neighbor's home or a cellular phone once safely outside.
- If there are infants, older adults, or family members with mobility limitations, make sure that someone is assigned to assist them in the fire drill and in the event of an emergency. Assign a backup person too, in case the designee is not home during the emergency.
- If windows or doors in your home have security bars, make sure that the bars have emergency release devices inside so that they can be opened immediately in an emergency. Emergency release devices won't compromise your security - but they will increase your chances of safely escaping a home fire.
- Tell guests or visitors to your home about your family's fire escape plan. When staying overnight at other people's homes, ask about their escape plan. If they don't have a plan in place, offer to help them make one. This is especially important when children are permitted to attend "sleepovers" at friends' homes.
- Be fully prepared for a real fire. When a smoke alarm sounds, get out immediately. Residents of high-rise and apartment buildings may be safer "defending in place."
- Once you're out, stay out! Under no circumstances should you ever go back into a burning building. If someone is missing, inform the fire department dispatcher when you call. Firefighters have the skills and equipment to perform rescues.

Putting your plan to the test

- Practice your home fire escape plan twice a year, making the drill as realistic as possible.
- Make arrangements in your plan for anyone in your home who has a disability.
- Allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. The objective is to practice, not to frighten, so telling children there will be a drill before they go to bed can be as effective as a surprise drill.
- It's important to determine during the drill whether children and others can readily waken to the sound of the smoke alarm. If they fail to awaken, make sure that someone is assigned to wake them up as part of the drill and in a real emergency situation.
- If your home has two floors, every family member (including children) must be able to escape from the second-floor rooms. Escape ladders can be placed in or near windows to provide an

additional escape route. Review the manufacturer's instructions carefully so you'll be able to use a safety ladder in an emergency. Practice setting up the ladder from a first-floor window to make sure you can do it correctly and quickly. Children should only practice with a grown-up, and only from a first-story window. Store the ladder near the window, in an easily accessible location. You don't want to have to search for it during a fire.

- Always choose the escape route that is safest – the one with the least amount of smoke and heat – but be prepared to escape under toxic smoke if necessary. When you do your fire drill, everyone in the family should practice getting low and going under the smoke to your exit.
- Closing doors on your way out slows the spread of fire, giving you more time to safely escape.
- In some cases, smoke or fire may prevent you from exiting your home or apartment building. To prepare for an emergency like this, practice "sealing yourself in for safety" as part of your home fire escape plan. Close all doors between you and the fire. Use duct tape or towels to seal the door cracks and cover air vents to keep smoke from coming in. If possible, open your windows at the top and bottom so fresh air can get in. Call the fire department to report your exact location. Wave a flashlight or light-colored cloth at the window to let the fire department know where you are located.



Sample evacuation plans

Source: NFPA

11.0 Limitations

WARNING
THE LIMITATIONS OF THIS SECURITY SYSTEM

While your ADT system uses advanced technologies, no security system (including ADT) offers guaranteed protection against burglary, fire, or other emergency. All security systems are subject to compromise or failure to warn for a variety of reasons including:

- Intruders may enter through unprotected openings or have the technical capability to bypass a sensor.
- The security system and sensing devices will not work without power. Battery-operated devices will not work without batteries, with dead batteries, or if the batteries are not put in properly.
- Signals sent by wireless sensors or controllers may be blocked or reflected by metal before they reach the receivers. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path.
- A user may not be able to reach a panic or emergency button quickly enough.
- While smoke detectors have played a role in reducing residential fire deaths, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, for reasons including: smoke detectors may have been improperly installed and positioned; smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors; smoke detectors may not sense a fire on another level of a residence or building; and smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, smoke detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson. Depending on the nature of the fire and/or location of the smoke detectors, smoke detectors may not provide sufficient warning to allow all persons to escape in time to prevent injury or death.
- Motion sensors can only detect intrusion within the designed ranges as diagrammed in their installation manual. Motion sensors do not provide volumetric area protection. They create multiple beams of protection, and intrusion can only be detected in unobstructed areas covered by those beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors, or windows. Mechanical tampering, masking, painting, or spraying of any material on the mirrors, windows or any part of the optical system can reduce their detection ability. Motion sensors sense changes in temperature; however, as the ambient temperature of the protected area approaches the temperature range of 90° to 105°F (32° to 40°C), the detection performance can decrease.
- Sirens may not alert people or wake up sleepers if they are located in different rooms or behind partially/fully closed doors. If a siren is located on a different level of the residence from the bedrooms, it may not waken or alert people inside the bedrooms. Even awake people may not hear the siren because of other sounds like a TV, music player, radio, air conditioner or other appliance, or by traffic. Sirens may not warn hearing-impaired people.

- Internet and telephone lines needed to transmit alarm signals may be out of service or temporarily out of service. Internet and telephone lines may be cut by sophisticated intruders.
- Cellular signals needed to transmit alarms may be out of service, or carriers may have taken cell sites down for maintenance, or cell sites may be congested, or carriers may have reallocated cellular channels to other purposes. Cellular signals may be jammed by sophisticated intruders.
- Even if the system responds to the emergency as intended, occupants may not have time to protect themselves from the emergency situation. Authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this system is designed to last as long as 10 years, the electronic components could fail at any time.

The most common cause of a security system not functioning when an intrusion or fire occurs is inadequate maintenance. This security system should be tested weekly (including any smoke detectors) to make sure all sensors and transmitters are working properly.

Wireless transmitters are designed to provide long battery life under normal operating conditions. Battery life may be as much as 2 to 4 years, depending on the environment, usage, and the specific device. External factors such as humidity, high or low temperatures, as well as large swings in temperature, may all reduce the actual battery life in a given installation. This system reports low battery situations, allowing time to arrange a change of battery to maintain protection for that given point within the system. Installing a security system may make the owner eligible for a lower insurance rate, but a security system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

12.0 FCC Information

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:

Changes and modifications to this product not expressly approved by ADT LLC could void not only the user's authority to operate this device, but also the limited warranty. Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the radio or television receiving antenna
- Reorient or relocate and increase the separation between the ADT equipment and radio or television receiver
- Connect the ADT equipment into an outlet on a circuit different from that to which the radio or television receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

The antenna used with this product must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be serviced only by ADT LLC or its authorized agents.

CAUTION:

To ensure proper operation, this equipment must be installed according to the enclosed installation instructions. To verify that the equipment is operating properly and can successfully report an alarm, this equipment must be tested immediately after installation, and periodically thereafter, according to the enclosed test instructions.

Protected by US patents and patents pending.

7 629 880, 7 532 114 7,511,614, 7,495,544, 7,283,048, 7,202,789, 7,119,658, 7,091,827, 7,084,756, 7,079,034, 7,079,020, 7,057,512, 7,053,764, 7,042,353, 7,023,341, 7,019,639, 6,888,459, D538,797, D534,519, D534,146

Carolina; 2736-CSA, 2397-CSA, 2381-CSA; NY 12000305615, 12000261120; PA 090797; MS 15019511.