

AXIS T8343 Alert Button

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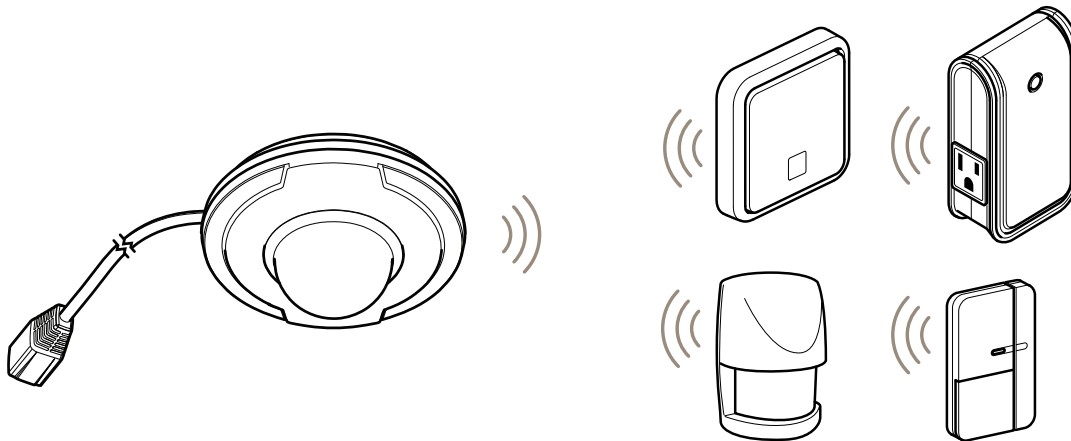
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Solution overview

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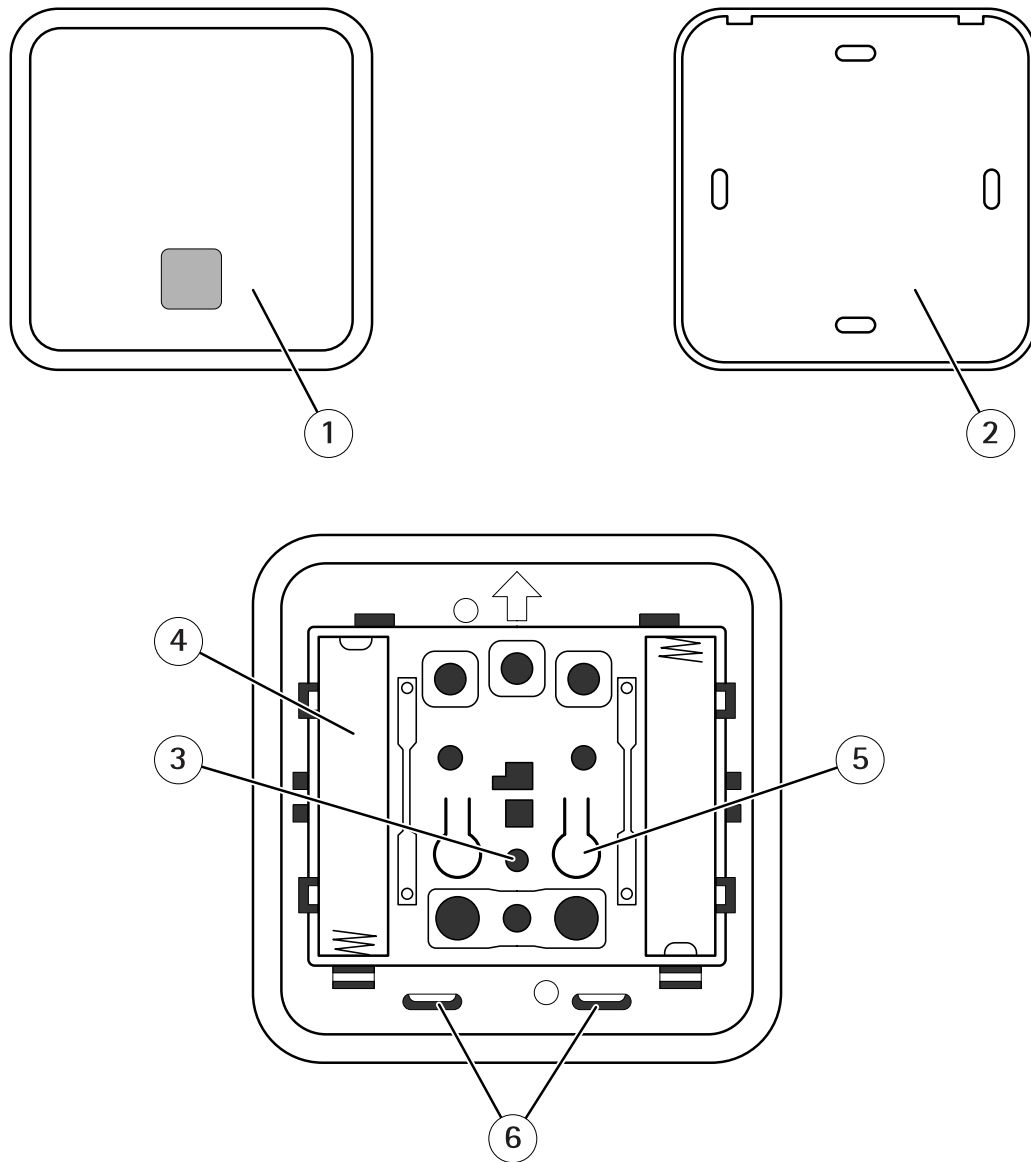


The device is Z-Wave® enabled and fully compatible with any Z-Wave enabled network. The device can be set up in a Z-Wave network to communicate directly with other end devices such as lighting controllers, or to report directly to a Z-Wave controller like the AXIS M5065 PTZ Network Camera.

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Product overview

Product overview



1. Alert button
2. Rear cover
3. LED indicator
4. Battery compartments
5. Link button
6. Rear cover latch

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How to add a device to a Z-Wave Network

How to add a device to a Z-Wave Network

Auto inclusion

The detector supports the auto inclusion feature where it will automatically enter learning mode (inclusion/exclusion) when first powered up.

1. Carefully remove the front cover by pulling the bottom of the front cover.
2. Put a Z-Wave controller into inclusion mode.
3. Insert 2 AAA-batteries (1,5V) into the battery compartment with the correct polarity. The LED on the device should turn ON
4. Enter PIN number into the Z-Wave controller. The PIN number can be found on the device. See where in the installation guide.
5. The inclusion process should be completed when the LED stops blinking
6. Perform test before you refit the battery cover. See [How to test the Z-Wave Device](#).

Manual inclusion

You can also choose to manually add the Z-Wave device to a control device. Please follow the steps described below.

Note

For best results, exclude the device before starting the inclusion process. See [Manually exclusion](#)

1. Carefully remove the front cover by pulling the bottom of the front cover. There is a link button which is used to put the device in learning mode (inclusion/exclusion).
2. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.
3. Enter PIN number into the Z-Wave controller. The PIN number can be found on the device. See where in the installation guide.
4. The inclusion process should be completed when the LED stops blinking
5. Perform test before you refit the battery cover. See [How to test the Z-Wave Device](#).

Manual exclusion

1. Detach the front cover.
2. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.
3. The exclusion process should be completed when the LED stops blinking.
4. Refit the front cover.

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How to test the Z-Wave device

How to test the Z-Wave device

An Action rule needs to be created on the Z-Wave controller for the Alert button to control other devices. Action rules are user defined elements in the controller that determines what actions to take when an event occurs. The Alert button triggers the event for the Action rule which then controls other devices such as plugs or dimmers, or activate an alarm. An alarm is triggered after a short press of the Alert button. To disarm, perform a 10 second long press.

- After you have included the device in the network with the Z-Wave controller, the Alert button will send data about its battery power to the controller after about 2 minutes. After that, it will only send data once the button is pressed.

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How to program the Z-Wave device

How to program the Z-Wave device

Note

Programming Z-Wave devices using a Z-Wave controller is recommended for experienced users only.

Z-Wave Group

The detector supports either one of two Z-Wave Association Groups:

Group 1: Association with 1 Controller node.

Group 2: Association with 4 nodes (i.e. end devices such as smart plugs and other lighting controllers). This allows the detector to transfer commands directly to end devices without the participation of the controller. This has the effect that when the detector triggers, all devices associated with detector will be operated.

Note

Association-group support can vary among Z-Wave Controllers. The AXIS M5065 supports Z-Wave Association Group 1.

Group 1 commands:

- When device status being changed, the unit will send Notification command to the node of Group 1.
- Upon device status being changed, the unit will check its battery status. When the battery level of the unit drops to an unacceptable level, the unit will emit a notification report to the nodes of Group 1.
- When you perform a Factory Reset the unit will send a Device Reset Locally notification to the node of Group1.

Group 2 commands:

- When the Up key is pressed, the unit will send a BASIC SET command which contains a value that is adjustable, to the nodes of Group 2. When the Down key is pressed, a BASIC_SET command will also be sent to the nodes of Grouping 2.

Z-Wave Plus[®] info

Role type	Node type	Installer Icon	User Icon
Slave Sleeping report	Z-Wave Plus node	Notification Sensor	Notification Sensor

Version

Protocol library	3 (Slave_Enhance_232_Library)
Protocol version	4.6 (6.71.00)

Manufacturer

Manufacturer ID	Product Type	Product ID
0x0364	0x0004	0x0001

AGI (Association Group Information) table

Group	Profile	Command Class & Command (List) N bytes	Group Name (UTF-8)
1	General	Notification Report Device Reset Locally Notification	Lifeline
2	Control	Basic Set	PIR Control

Notification

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Event	Type	Event	Event Parameters Length	Event Parameters
Program started	0x0C	0x01	null	
Program started Clear	0x0C	0x00	1 byte	0x01
Program completed	0x0C	0x03	null	
Program completed Clear	0x0C	0x00	1 byte	0x03
The power is applied for the first time	0x08	0x01	null	
The battery is Low	0x08	0x0A	null	

Battery

Battery Report (value)	Description
0x64	Battery is high
0x10	Battery is normal
0xFF	Battery is low

Command classes

This product supports the following command classes:

- COMMAND_CLASS_ZWAVEPLUS_INFO_V2
- COMMAND_CLASS_ASSOCIATION_V2
- COMMAND_CLASS_ASSOCIATION_GRP_INFO
- COMMAND_CLASS_TRANSPORT_SERVICE_V2
- COMMAND_CLASS_VERSION_V2
- COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
- COMMAND_CLASS_DEVICE_RESET_LOCALLY
- COMMAND_CLASS_POWERLEVEL
- COMMAND_CLASS_SECURITY
- COMMAND_CLASS_SECURITY_2
- COMMAND_CLASS_SUPERVISION
- COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4
- COMMAND_CLASS_BATTERY
- COMMAND_CLASS_WAKE_UP_V2
- COMMAND_CLASS_NOTIFICATION_V4

Wake up command class

After the detector has been included into a Z-Wave network it will go to sleep, but it will send a wake-up notification command to the controller periodically at a preset period . The detector will stay awake for at least 10 seconds and then go back to sleep to conserve battery life.

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How to program the Z-Wave device

The time interval between wake up notification commands can be set in the wake up command class based on the range values below:

Minimum wake up interval	600s (10 minutes)
Maximum wake up interval	86400s (1 day)
Default wake up interval	14400s (4 hours)
Wake up interval step seconds	600s (10 minutes)

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Troubleshooting

Troubleshooting

Action- /Status	Description	LED indication
No node ID.	The Z-Wave controller could not find the device and did not provide a node ID.	2-second on, 2-second off for 2 minutes.
Factory Reset	1. Press the link button 3 times within 1.5 seconds to put the device into exclusion mode.	
(This procedure should only be used when the controller is inoperable.)	2. Within 1 second of step 1, press the link button again and hold for 5 seconds.	
	3. Node ID is excluded. The device reverts to factory default state.	2-second on, 2-second off for 2 minutes.
Failed or successful results in including/excluding the ID can be viewed on the Z-Wave Controller.		

Table below lists typical problems encountered:

Symptom	Possible Cause	Recommendation
Cannot carry out inclusion and association.	<ol style="list-style-type: none"> 1. The device is still connected, or has been accidentally included, to a previous network. 2. The entered PIN code is incorrect. 3. The battery has run out of power. 4. Battery polarity is reversed. 5. Device is malfunctioning. 	<ol style="list-style-type: none"> 1. Exclude the device before including it again. 2. Make sure you have entered the correct PIN code. 3. Replace the battery. 4. Refit the battery with the correct polarity. 5. Ensure the device is working properly.
Press Alert Button, LED illuminates, but the receiver(s) have no response	<ol style="list-style-type: none"> 1. The device is still connected, or has been accidentally included, to a previous network. 2. Distance between the Alert Button and the receiver(s) too far. 3. The batteries have run out of power. 4. Detector is malfunctioning. 	<ol style="list-style-type: none"> 1. Exclude the device before including it again. 2. Move closer to the receivers. 3. Replace batteries. 4. Ensure the detector is working properly.

Note

For best results, exclude the device before starting the inclusion process. For more details see the installation guide.

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Specifications

Specifications

To find the latest version of the product's datasheet, go to the product page on *axis.com* and locate **Support & Documentation**.

Specifications

Battery	AAA Battery x2
Battery life	1 year*
Range	Up to 100 meters line of sight
Operating frequency	908.42 MHz (US), 922.5 MHz (JP)
FCC ID	FU5AC136

Specifications are subject to change without notice

*measured at 1 triggers per day

