

Detailed technical product information on the Home Control Smoke Detector

Carefully read all instructions before setting up the device and store the instructions for later reference.

Intended use

Use the Home Control Smoke Detector as described in this product information to prevent damage and injuries.

Safety notes

Fasten the Home Control Smoke Detector on the ceiling in the centre of the room or at least 50 cm away from walls, ceiling joists or fixtures. The room may be up to 6 m in height.

Fasten the Home Control Smoke Detector as horizontally as possible (inclination angle no more than 20° if there is roof slope).

Pockets of hot air can form in the ceiling ridge in rooms with ceiling slope > 20°. In this case, fasten the Home Control Smoke Detector at least 50 cm and no more than 1 m below a roof/ceiling ridge.

Install additional Home Control Smoke Detectors if the available joists are > 20 cm and the room to be monitored has separated areas > 36 m². If the joists are < 20 cm, fasten the Home Control Smoke Detector to the ceiling or a joist.

Avoid fastening the Home Control Smoke Detector near air conditioners, air shafts and other products/areas with strong draughts.

Do not fasten the Home Control Smoke Detector in rooms where there is usually heavy steam, smoke or dust, for example in the kitchen or bathroom.

Install multiple Home Control Smoke Detectors in a room if the surface to be monitored is > 60 m² or is interrupted by ceiling joists.

If you install the Home Control Smoke Detector on a balcony of > 2 m length and width and a surface > 16 m², an additional Home Control Smoke Detector is required underneath the balcony.

In elongated rooms, the Home Control Smoke Detector may be fastened up to 7.5 m from the front side of the room. When using multiple Home Control Smoke Detectors, the distance between the devices may be no more than 15 m.

The Home Control Smoke Detector must not be painted over! Paint clogs the ventilation slots and smoke inlets, making the device incapable of working properly.

Do not use a burning cigarette to test whether the Home Control Smoke Detector is functioning properly! Cigarette smoke clogs the ventilation slots and smoke inlets, making the device incapable of working properly.

Using the test button, regularly check (approx. 1x per month) whether the Home Control Smoke Detector is functioning properly. Check once annually whether the ventilation slots and smoke inlets are impeded by dust or spider webs. Clean the affected areas with a dry towel. Contact with water can damage the product.

Smoke detectors must be replaced every 10 years! Batteries have to be replaced after two years at the latest!

Batteries

Always keep batteries away from open flame and high temperatures. Avoid direct sunlight and heat radiation! Lithium batteries have a risk of explosion!

Always remove all batteries from battery-operated devices that are only in storage and are not in use. Old batteries can leak and damage the device!

Do not use rechargeable batteries!

When inserting the battery, make sure the polarity is correct. Using the battery incorrectly can damage the device!

After each battery change, the smoke detector must be checked for proper operation by applying the test device.

The Home Control Smoke Detector requires a commercially available CR1233(A) 3V lithium battery. Please use a CR123A 3V 1400mAh battery for battery change. For information on battery change, please refer to the Home Control online help.

What exactly is Z-Wave®?

Z-Wave® is an internationally recognised wireless standard that has been developed by Sigma Designs and the Z-Wave® Alliance for home automation and adjacent outdoor areas and has been licensed for smart home applications worldwide. This wireless communication is optimised for low energy consumption and high communication security.

All available devices are certified on the basis of their interoperability within the Z-Wave® standard. This makes it possible to operate devices from different manufacturers and scopes of application in one shared wireless network. Installations such as light switches, electronic door closers, heating thermostats, blind controls and other devices such as sensors, wall switches and smoke detectors can be controlled via smartphones, tablets and/or Internet applications.

Z-Wave® devices can be powered by batteries or supplied from the mains. All devices connected to the mains act as routers for all the other devices. If a signal cannot be sent directly to a receiver due to physical obstructions, the signal is automatically rerouted over other nodes. Within buildings, individual devices can communicate with each other over a distance of up to 25 metres, increasing to 100 metres outdoors. One advantage is the 868 MHz radio waves, which are able to pass through walls with relative ease.

You can find more information about Z-Wave® on the website for the Z-Wave Alliance (www.z-wavealliance.org).

Z-WZ-Wave-specific terms

- Controller ... is a Z-Wave® device and acts as the central network manager of the Z-Wave® network. Controllers are usually gateways. Battery-powered devices can also be controllers.
- Slave ... is a Z-Wave® device with expanded capabilities for managing a network. There are sensors, actuators and slaves.
- Adding a Home Control device / Inclusion with the Home Control Central Unit ... is the process of integrating a new device into the Z-Wave® network.
- Removing a Home Control device / Exclusion from the Home Control Central Unit ... is the process of removing a device from the Z-Wave® network.
- Association ... is a control relationship between a controlling and a controlled device. The respective information is stored in an association group in the controlling device.
- Wakeup Notification ... is a special wireless message that a battery-powered device uses to provide notification that it is in wakeup status and able to receive Z-Wave® messages.
- Node Information Frame ... (Node ID) is a special wireless message with which a Z-Wave® device provides information about its device properties.

What is Z-Wave® Plus?

Z-Wave Plus™ is an extension of the Z-Wave® standard, which includes all current further developments of the technology. Depending on the product, this may involve a longer battery service life, faster operation, larger coverage of the range and/or easier device installation.

Z-WZ-Wave Plus™ devices are compatible with devices of the classic Z-Wave® generation.

The Home Control Smoke Detector

The Home Control Smoke Detector alarms you acoustically via an unmistakable signal sound, visually via an LED light and, if used with the devolo Home Control Central Unit, via text, e-mail or app. Thanks to the mobile and simultaneous notification sent to multiple mobile phone numbers and e-mail addresses that you select, you can respond immediately even when on the go. When combined with other Home Control devices, the Home Control Smoke Detector can, for example, additionally turn on the lights and open the shades via the Z-Wave® controller.



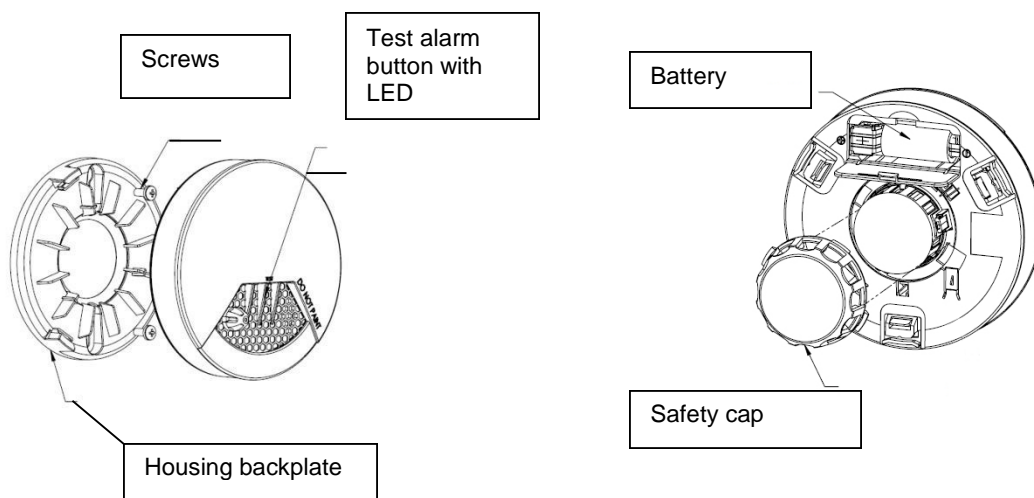
Since March 2013, most living and working spaces in Germany have been subject to a smoke detector requirement. Children's rooms, bedrooms and hallways serving as escape routes must be equipped with them. For more information on this topic, you can also refer, for example, to www.rauchmelderpflicht.eu.

Installing the Home Control Smoke Detector

Only use the Home Control Smoke Detector indoors.

Power-On Mode

1. Turn the detector anti-clockwise to unscrew it from the housing backplate and access the battery compartment.



When screwing the Home Control Smoke Detector to the ceiling, make sure that no gas, water or power lines in the ceiling get damaged. There is a danger of electric shock!

2. Based on the drilling specifications on the housing backplate, drill holes into the room's ceiling at the desired location and attach the housing backplate using screws.
3. Now put the battery in the **correct position** (see marking in the battery compartment) in the Home Control Smoke Detector.

When you insert the battery, it pushes down the red locking pin without the use of force. This prevents the battery compartment from being closed without a battery inserted.

4. Close the battery compartment cover.
5. The installation was successful if the LED on the Home Control Smoke Detector flashes yellow once after about 10 seconds and you hear a short alarm tone.

Registering the Home Control Smoke Detector to the Control Unit (e.g. Home Control Central Unit)

1. In the Z-Wave[®]-compatible control unit, start the procedure for adding a new device (inclusion).
1. Briefly press the test alarm button on the front of the smoke detector. The LED flashes red. With this, the registration on the Central Unit has been completed successfully.
2. To carry out a function test, press and hold the test alarm button (approx. 1 second) until you hear the alarm tone and the LED flashes red.

The device creates a loud and shrill alarm tone that can cause hearing damage. Stay a minimum distance of about 50 cm away from it when testing its function. To switch off the alarm again, simply release the test alarm button.

Association

When the device is in the wake-up state through short press of the test alarm button (automatic wake-up any second), set the Z-Wave[®] controller in the association mode and follow its instructions for association with other devices. To save energy, the Home Control Smoke Detector subsequently switches to sleep mode. One association group supports 5 node IDs.

Unpairing the Home Control Smoke Detector from the control unit (e.g. Home Control Central Unit) and/or resetting it to the factory defaults

1. Make sure you have access to the device.
2. Then move the device so that it is close to the Z-Wave[®] controller.
3. Start the unpairing mode of your Z-Wave[®]-compatible central unit. Briefly press the test alarm button on the front of the Home Control Smoke Detector.
4. The device has now been successfully removed and reset to the factory defaults.

Replacing the batteries

Do not use rechargeable batteries! The device uses a commercially available CR123 3V 1400mAh lithium battery.

Turn the detector anti-clockwise to unscrew it from the housing backplate and access the battery compartment.

1. Remove the old battery.
2. Now insert the new battery into the Home Control Smoke Detector in the correct position.
3. When inserting the battery, make sure the position is correct. Using the battery incorrectly can damage the device!

When you insert the battery, it pushes down the red locking pin without the use of force. This prevents the battery compartment from being closed without a battery inserted.

Function test

The battery change was successful if the LED on the Home Control Smoke Detector flashes yellow once after about 10 seconds and you hear a short alarm tone.

If the test alarm still does not provide acoustic or visual feedback, the device may be defective. For replacing the Home Control Smoke Detector, contact devolo AG.

Standby mode

The test alarm button with the red LED on the front side of the device serves to check the function. In addition, it makes the signal LED visible. Flashing of the red LED approximately every five minutes indicates that the smoke detector is ready. If smoke is detected, the red LED flashes fast and continuously, and simultaneously a triple beep sounds, which repeats again and again after short pauses.

Mute

The mute switch can temporarily suppress an alarm for up to 10 minutes.

To use this function, press the test alarm button on the front side of the device in case of an alarm. If there is still sufficient smoke concentration present after 10 minutes, the device will again set off the alarm.

Battery life warning

If the LED flashes, alternating between red and yellow, and if a short beep sounds every 43 seconds, the level of the battery of the Home Control Smoke Detector is low. When the warning about the battery level is activated, the battery will last for up to another 30 days, but for security reasons it should be replaced immediately after the warning.

Error message

If you hear a triple beep three times within 43 seconds and if the LED is flashing yellow, the smoke detector is not functioning properly. In this case, replace the device.

If the Home Control Smoke Detector is not functioning properly, contact devolo AG.

Activating the alarm

When smoke is detected, the Home Control Smoke Detector will send a message to the Z-Wave® controller.

	Alarm version 1	Notification version 4
Alarm type	0x01	
Alarm level	0x00 (normal) 0xFF (Alarm)	
Notification type		0x01
Notification event		0x02
Notification parameter		0x00 (normal) 0xFF (Alarm)

Function test

1. Keep the test alarm button pressed until you hear the alarm tone and the LED flashes red.
2. To switch off the alarm again, simply release the test alarm button.

Battery capacity: The Home Control Smoke Detector continuously checks the battery capacity. If the battery capacity falls below a defined value of approx. 2.7V +-0.1V, a low battery alarm will be sent via Z-Wave®. If the capacity continues falling, the visual and acoustic battery capacity warning will be activated additionally (see above).

The battery capacity can be requested with the command "get battery report" if the smoke detector is not in the standby mode and ready to receive messages.

Alarm mode

The commands "Basic Set ON (0xFF)" or "Binary Switch ON (0xFF)" activate the transmission of the alarm message to the Z-Wave® controller. The commands "Basic Set OFF (0x00)" or "Binary Switch OFF (0x00)" disable the transmission of the alarm message.

Battery level control (power level)

Use the command "PowerLevel Set" to adjust the strength of the wireless signal. Use the command "PowerLevel Test Node Set" to test the strength of the device's wireless signal.

Technical data

Protocol	Z-Wave (ZM5202N)
Battery type	3V lithium battery; Panasonic CR123A 1400mAh* 1 pc
Z-Wave® frequency	868.40 MHz, 868.42 MHz, 869.85 MHz
Range of the wireless signal	Up to 100 m outdoors, on the average approx. 25 m within buildings
Operating temperature	0°C to -49°C
Volume of alarm	85 dB / 3 m
Humidity	10 to 95%
Size	Diameter 120 mm, depth 5.3 mm

Z-Wave® command classes

COMMAND_CLASS_MANUFACTURER_SPECIFIC_V
 COMMAND_CLASS_NOTIFICATION_V4
 COMMAND_CLASS_POWERLEVEL
 COMMAND_CLASS_SWITCH_BINARY
 COMMAND_CLASS_VERSION_V2

Manufacturer ID: 0x175
 Product Type ID: 0x2004
 Product ID: 0x04a4
 Firmware Version: 14.13

Service and warranty

Germany: 3 years

If there is a defect within the warranty period, please call the service hotline. For the complete warranty terms, please visit our website at www.devolo.com/warranty.

We cannot accept your device without an RMA number, nor can we accept shipments that are not prepaid.

Austria/Switzerland: 3 years

If your devolo device is defective when first used or within the warranty period, please contact the supplier where you bought the devolo product. The supplier will handle getting a replacement or repair for you from devolo. For the complete warranty terms, please visit our website at www.devolo.com/warranty.

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Austria	+43 12 675 110 *	support@devolo.at
Switzerland	+41 43 550 1573 *	support@devolo.ch

* For detailed information on costs incurred from the phone call, refer to our website.



Z-Wave® is a wireless communication standard developed by [Sigma Designs](http://www.sigmadesigns.com) and the Z-Wave Alliance for home automation. A comprehensive specification of all communication aspects and certification of the products ensures interoperability of all devices that communicate via Z-Wave®.



When used as intended, the product conforms to the basic requirements of the 2014/53/EC and 2014/35/EC directives and the other relevant provisions of the German Radio and Telecommunications Terminal Equipment Act (FTEG) and is designed for use in the EU, Switzerland and Norway.

A printout of the CE declaration is included with the product. It can also be downloaded from www.devolo.de.



Neither the Home Control Smoke Detector nor the battery may be disposed of with the household waste. Instead, you can return these at no charge at your municipal collection point or at the retailer (e. g. supermarket, specialist shop).