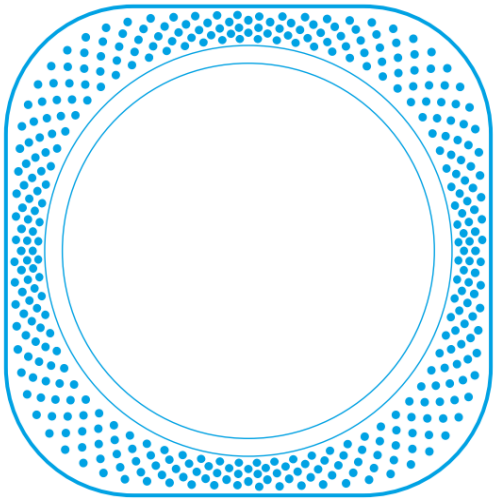
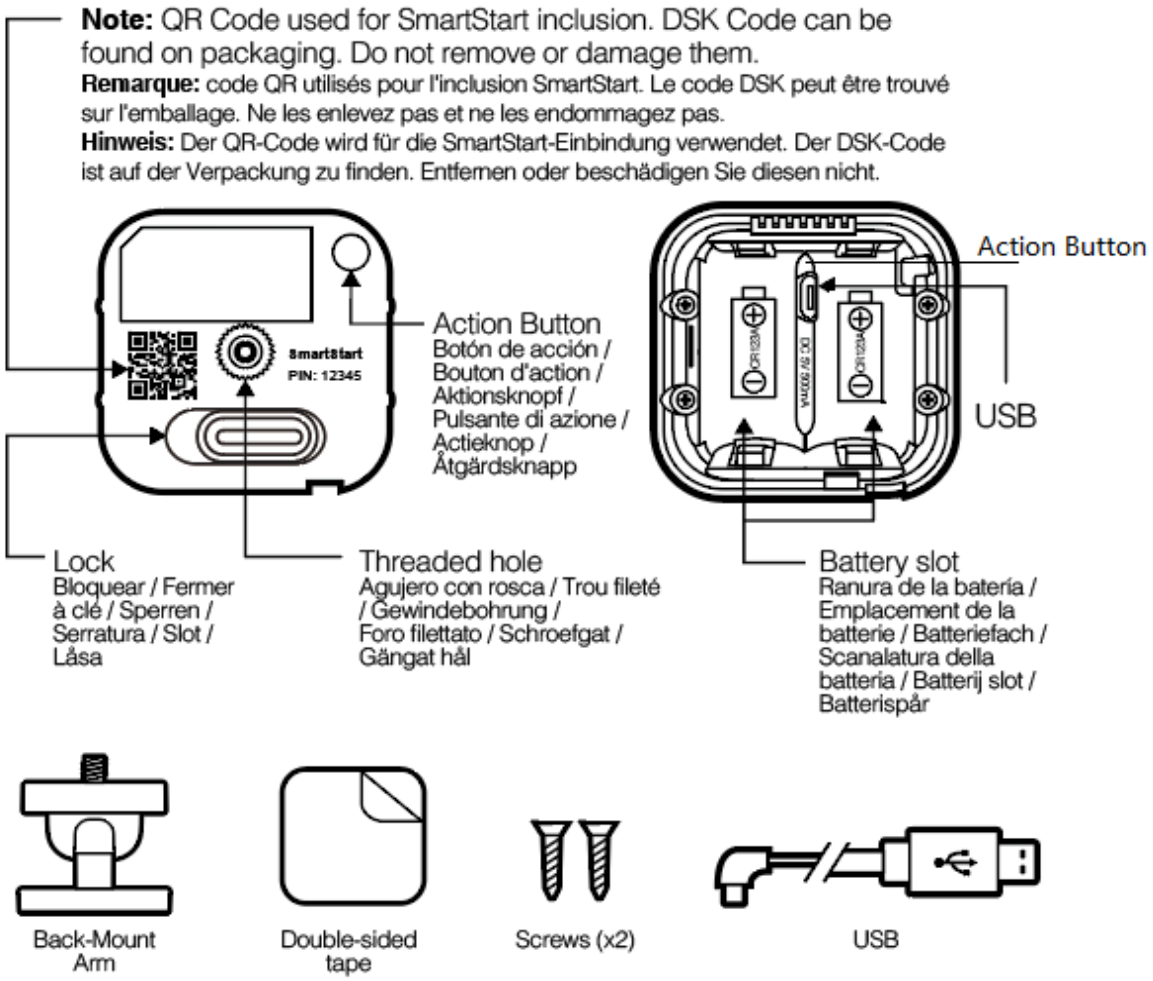
MultiSensor 8

ZWA066-A



Used in this guide.



Important safety information.
Please read this and the online guide(s) at support.aeotec.com/multisensor7 carefully. Failure to follow the recommendations set forth may be dangerous or cause a violation of the law. The manufacturer, importer, distributor, and / or reseller will not be held responsible for any loss or damage resulting from not following any instruction in this guide or in other materials.

MultiSensor 8 is intended for use in dry locations only. Do not use in damp, moist, and / or wet locations.

Do not use rechargeable batteries. Use only CR123A batteries with a 3.0V rating.

Contains small parts; keep away from children.

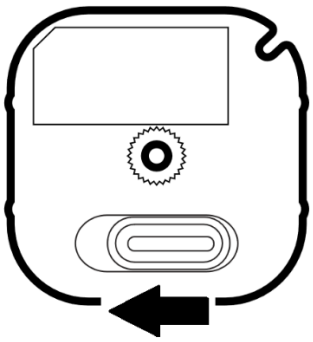
Determine the power type you want to use.

MultiSensor 8 can be a sleeping battery device or a repeater as a USB-powered device. Make sure you select your preferred power type before you start pairing.

Note - Any time you change the input power type (ie. Battery to USB power), you should re-include as your Z-Wave hub will only understand if it is a sleeping device or a Repeater device upon its first pair into your controller. You can continue to use it normally even without re-pairing although but odd issues may arise.

For a USB-powered installation (acts as a repeater when paired on USB power):

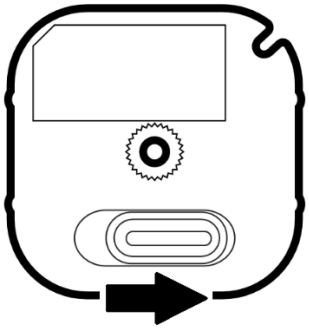
1. Remove the battery cover by sliding the Unlock button LEFT, then pull the cover off.



2. Insert the MicroUSB of the provided USB cable into your sensor's MicroUSB port.

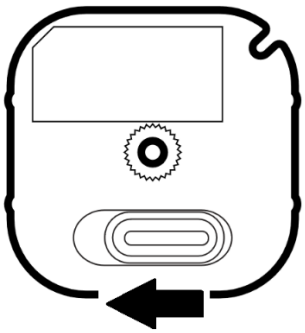
3. Insert the larger end of the USB cable into a computer or any 5V adapter which will immediately power your MultiSensor 8.

4. Make sure to seat the Battery Cover back onto the MultiSensor 8 and lock it in by sliding the Unlock button RIGHT.

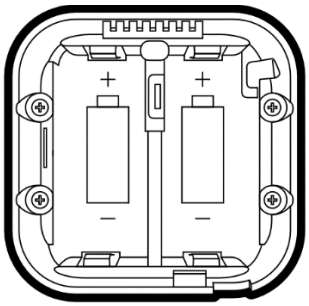


For a battery-powered installation (acts as a sleeping device when paired on battery power):

1. Remove the battery cover by sliding the Unlock button LEFT, then pull the cover off.



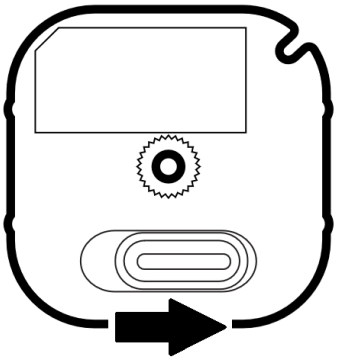
2. Insert two CR123A lithium batteries orientated according to the diagram within your sensor.
Try inserting the batteries flat rather than at an angle.



Note: MultiSensor 8 can be powered by a single CR123A (doesn't matter which port), though batteries will require changing more frequently (half the expected battery life).

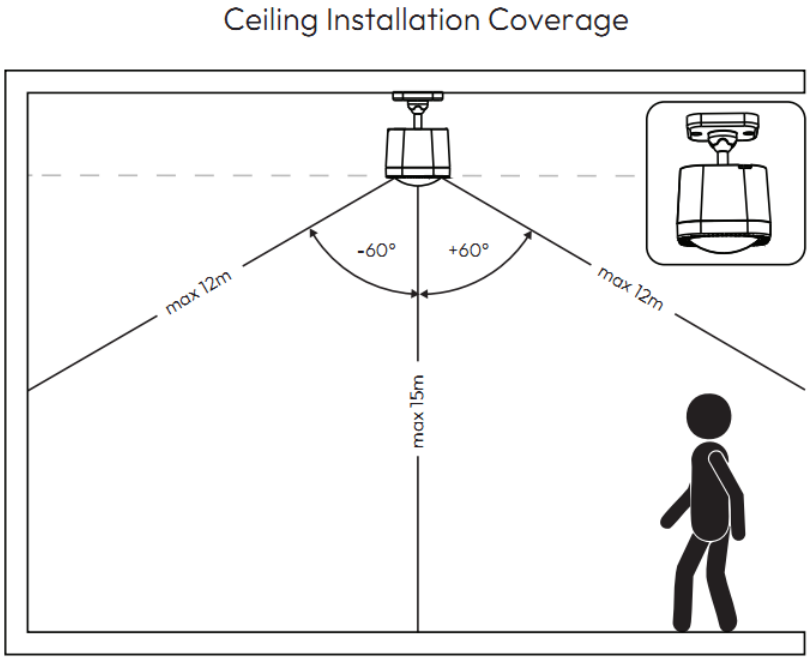
WARNING: Not compatible with rechargeable CR123A batteries (3.6V).

3. Make sure to seat the Battery Cover back onto the MultiSensor 8 and lock it in by sliding the Unlock button RIGHT.

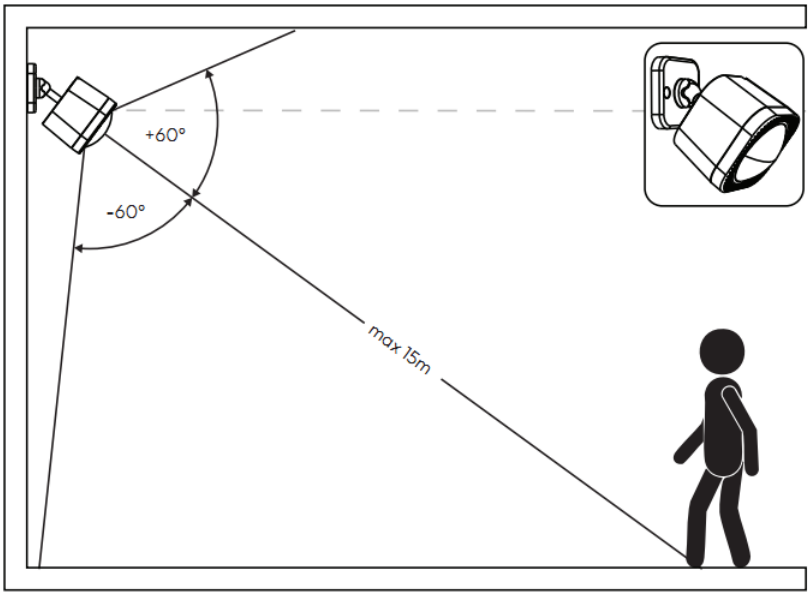


Selecting an installation location.

- Don’t install MultiSensor 8 in areas of artificial temperature change such as near air conditioners, humidifiers, and heaters, and avoid positioning it directly opposite a window or direct sunlight. Doing so would impact the accuracy of the sensors.
- If powering it with batteries, do not install MultiSensor 8 in a location where the temperature can drop below 0°C / 32°F.
- Only install your sensor indoors.
- MultiSensor 8 has a 10 metre / 33 feet detection range
- Make sure that you connect your MultiSensor 8 to your hub before finalizing installation.



Wall Installation Coverage



Choose your power.

1. Remove MultiSensor 8's backplate.
2. **Select your power method**; battery power or USB power. **IMPORTANT:** do not connect MultiSensor 8 to your hub and then switch from one power method to another - MultiSensor 8 will perform poorly if you do. If you need to change power-mode, first fully remove MultiSensor 8 from your installation, change the power-mode, and then add it again after switching the power-mode.
    a. **Batteries**: insert two CR123A batteries with the correct orientation. MultiSensor 8 can be powered by one battery, though with reduced battery life.
    b. **USB**: insert a Micro USB cable into your sensor and a power adapter. **Important:** the USB adapter must output a minimum current of 120mA.
    c. **Once powered**, the LED will fade a blue color in and out.
        i. On USB, it will fade in and out indefinitely unless connected.
        ii. On battery, it will fade in and out for 2 seconds and then stop.
    d. If the LED does nothing:
        i. **Tap the Action Button**, the LED should light up.
            1. If it lights up purple, reset your MultiSensor 8 by pressing and holding its action button for 20 seconds to reset it.
            2. If it lights up yellow, then you should be able to connect it.
        ii. **Power cycle** your MultiSensor 8.
            1. remove power for 30 seconds
            2. Then power it up again. LED should fade blue in and out for at least 2 seconds upon initial power up.
3. Replace MultiSensor 8's backplate.

Connecting MultiSensor 8 to hub.

A. **Aeotec AutoPilot:**
    a. Select **DEVICES**.
    b. Select **+ Add new**.
    c. Select **+**.
    d. Select **+ Add**.
    e. **Tap the Action Button** on MultiSensor 8, the LED will light up solid yellow while MultiSensor 8 attempts to connect.
    f. If prompted by your hub, enter the 5 digit DSK if on browser, or scan the QR code if using your Smartphone.

B. **Aeotec Smart Home Hub** or **SmartThings**:
    a. Open **SmartThings app**.
    b. Tap **+**.
    c. Tap **Device**.
    d. Find and select **Aeotec**.
    e. Tap **Multipurpose sensor**.
    f. Tap **MultiSensor 8**.
    g. Tap **Start**, then follow the remaining instructions to pair MultiSensor 8.
    h. When prompted by your hub, **tap the Action Button** on MultiSensor 8, the LED will light up solid yellow while MultiSensor 8 attempts to connect.
    i. Scan the QR code, if you prefer, tap “Enter pin code instead” and enter the 5 digit PIN under the QR code.

C. **Z-Stick Gen5 / Z-Stick Gen5+**:
    a. **Unplug Z-Stick Gen5**, then **press it’s Action Button** to put it into its ‘add device’ mode.
    b. **Tap the Action Button** on MultiSensor 8, the LED will light up solid yellow while MultiSensor 8 attempts to connect.

D. **SmartStart QR code scanning**:
    a. If supported by your Z-Wave gateway, supports SmartStart: scan the QR code on MultiSensor 8 using the gateway’s app. Your sensor will join your Z-Wave network automatically.

E. For most **other hubs**;
    a. Set your Z-Wave hub to connect Z-Wave devices.
    b. **Tap the Action Button** on MultiSensor 8, the LED will light up solid yellow while MultiSensor 8 attempts to connect.
    c. If prompted by your hub, enter the 5 digit DSK located under the QR code on MultiSensor 8.

Connection LED states.

If the connection steps were followed correctly, the LED will change from a solid yellow color to one of these LED states depending on success or failure.

- **Success**: LED will flash white/green for 2 seconds.
- **Fail**: LED will flash white/red for 2 seconds.

Not connecting? Try these steps;

1. Move your sensor closer to your hub.

2. Set your hub to remove Z-Wave devices.
3. **Tap the button** on MultiSensor 8, the LED will light up with a purple or yellow color. If successful; the LED will fade a blue color in and out; **On battery power**, for 2 seconds. **On USB power**, indefinitely.
4. Try connecting MultiSensor 8 again.
5. Get further help and tutorials at support.aeotec.com/multisensor7

Affix your MultiSensor 8.

1. MultiSensor 8 can be installed on a flat surface such as a shelf, in a corner or on a wall using the Back-Mount Arm, or within a ceiling or wall using its Recessor accessory (sold separately). If using the Back-Mount Arm;
    a. Screw Back-Mount Arm into the corresponding threaded hole on the back of MultiSensor 8.
    b. Affix Back-Mount Arm to your desired location using the provided double-sided tape or KA2.5×20 mm screws.
    c. Angle the MultiSensor 8 as desired.

Using your MultiSensor 8:

Scan this QR Codes to get more help on how to setup and use your MultiSensor 8.

Need help? Contact us.

Contact our support teams at aeotec.com/contact.

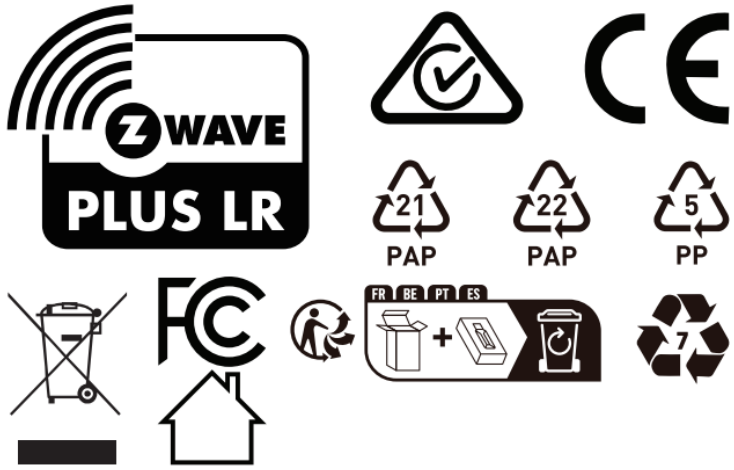
Gateway compatibility.

To see if this device is known to be compatible with your Z-Wave gateway, please refer to aeotec.com/z-wave-gateways/compatibility.

Declaration of Conformity.

Aeotec Limited declares that ZWA022 is in compliance with the essential requirements and other relevant provisions of RED 2014/53/EU, RoHS 2011/65/EU, IEC62321:2008 and EN50581:2012. The full text of the declaration is available from support.aeotec.com/multisensor7/doc

Specifications. Z-Wave devices operate between 868.40 & 926.3 MHz depending on local restrictions. It uses up to -0.59 dBm ERP transmit power, enabling wireless connectivity. Full information on device specifications and certifications at support.aeotec.com/multisensor7/specs



FCC ID: 2AOGIZWA066

In Europe, contact Aeotec via Aeotec Group GmbH; Groß Johannisstraße 7, 20457 Hamburg, Germany

 Version: 501002400001 - AB

AEOTEC

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www.aeotec.com

FCC Caution

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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 or more 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.