
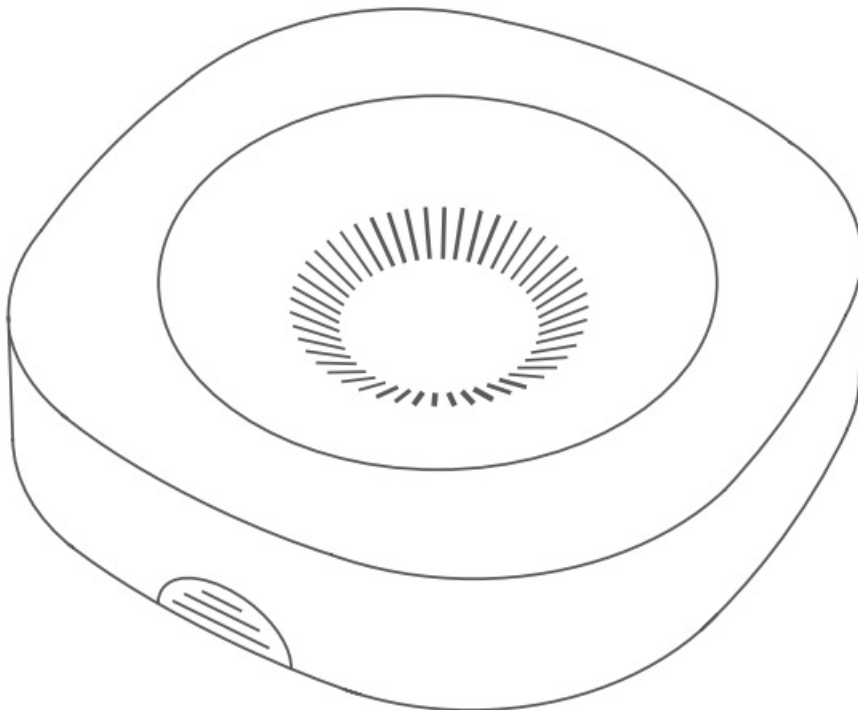


DEVELCO HMSZB-110 Humidity Sensor Installation Guide

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DEVELCO HMSZB-110 Humidity Sensor



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Product description

The Humidity Sensor allows you to protect your building and belongings by monitoring the temperature and humidity levels, and receive immediate alerts if the climate fluctuates to unsafe levels.

By supervising the indoor climate, the wireless Humidity Sensor helps maintain the ideal comfort level and protect interior, electronics, musical instruments, furniture, artwork, and other humidity-sensitive household items.

Disclaimers

CAUTION:

- Choking hazard! Keep away from children. Contains small parts.
- Please follow the guidelines thoroughly. The Humidity Sensor is a preventive, informing device, not a guarantee or insurance that sufficient warning or protection will be provided, or that no property damage, theft, injury, or any similar situation will take place. Develco Products cannot be held responsible in case any of the abovementioned situations occur.

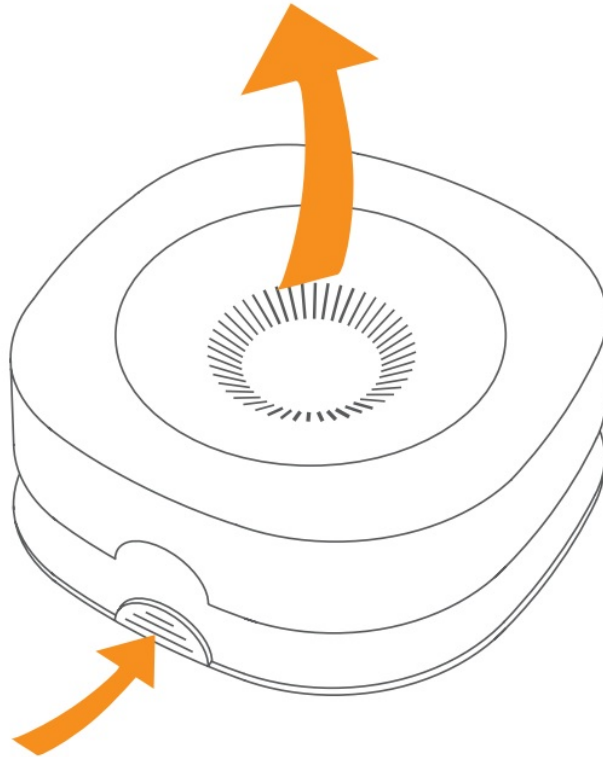
Precautions

- Do not remove the product label as it contains important information.
- Be aware that electronics are sensitive to static electricity, so aim to discharge before touching, and avoid touching any components inside the device.
- Do not place the Humidity Sensor on the ceiling, or behind obstacles, such as curtains.
- Do not place the Humidity Sensor under direct sunlight or bright light.
- Avoid placing the Humidity Sensor close to radiators or electromagnetic fields.
- Do not paint the sensor.

Getting started

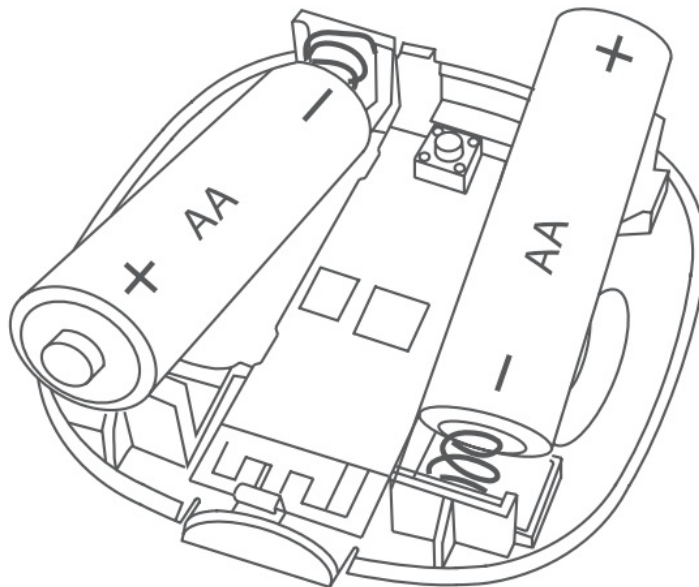
1. Open the sensor by pushing the switch and pulling the top of the casing.

a.



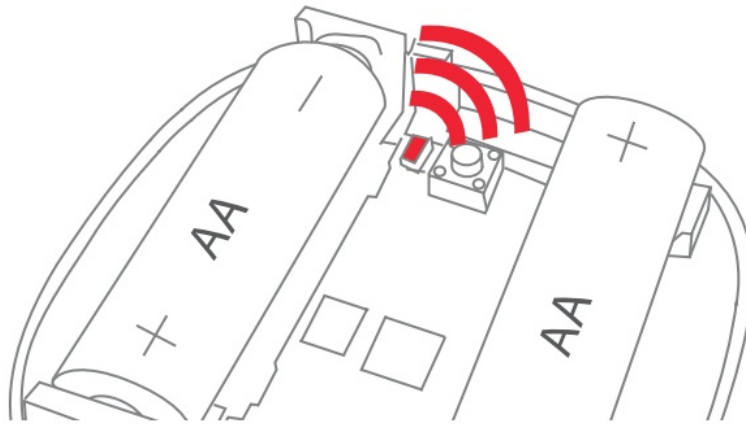
2. Insert two AA batteries respecting the polarities.
3. The Humidity Sensor will now start searching (up to 15 minutes) for a ZigBee network to join.

b.



4. Make sure that the ZigBee network is open for joining devices and will accept the Humidity Sensor.
5. While the Humidity Sensor is searching for a ZigBee network to join, the LED flashes red.

C.

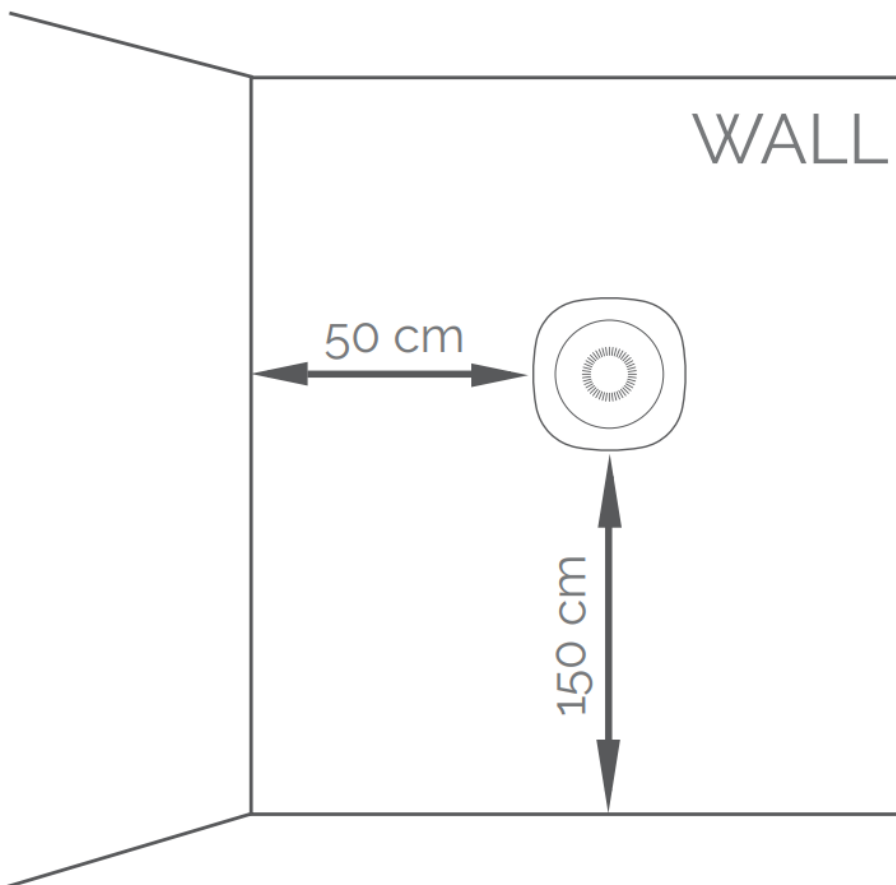


6. When the LED stops flashing, the Humidity Sensor has successfully joined the ZigBee network.

Placement

- Place the sensor indoors at a temperature between 0-50°C.
- Inside the room, in which you want to monitor humidity levels.
- The Humidity Sensor should be placed on a wall, reachable for battery testing and maintenance.

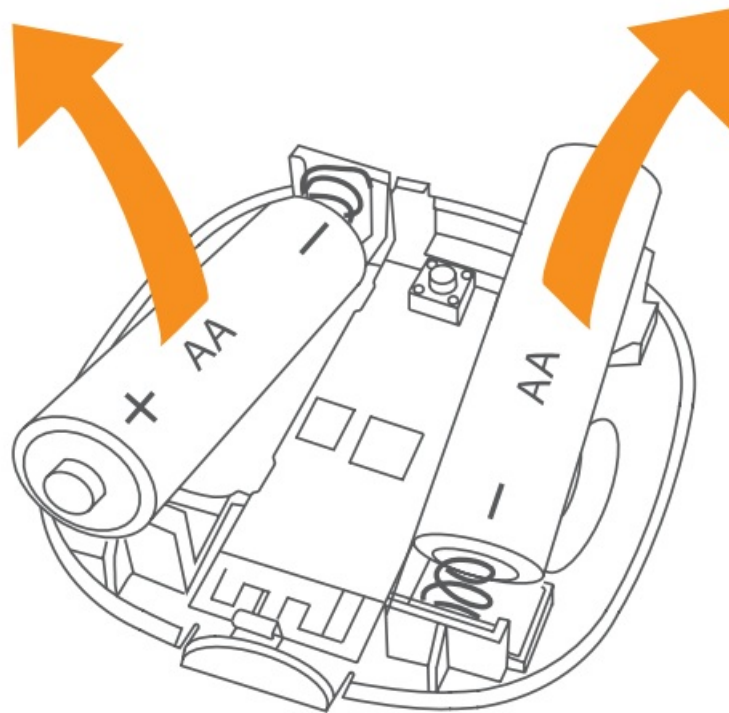
d.



Mounting

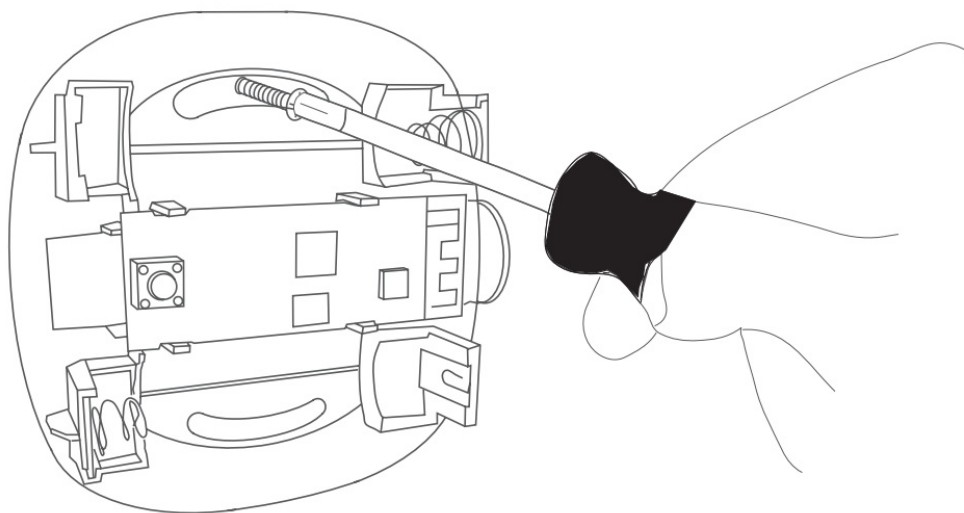
1. Open the casing of the Humidity Sensor and remove the batteries.

e.



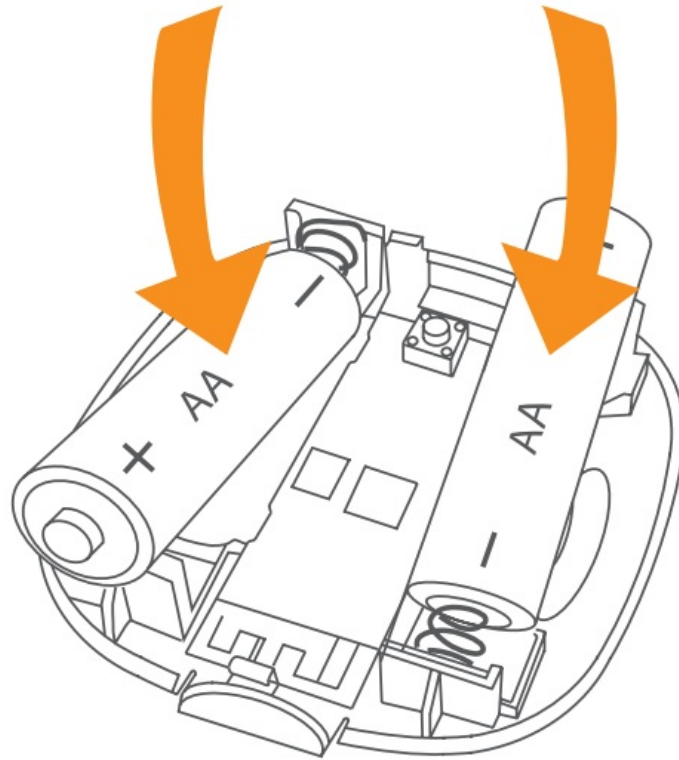
2. Use double-sided tape or screws to attach the sensor on the wall.

f.



3. Insert batteries respecting the polarities.

g.



4. Make sure that the Humidity Sensor has joined a network before closing the casing.

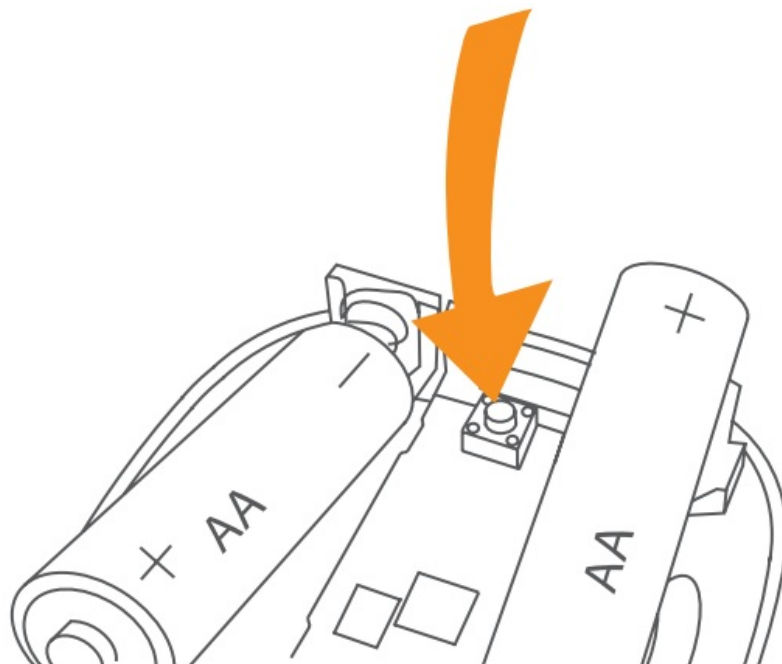
Resetting

Resetting is needed if you want to connect your humidity sensor to another gateway or if you need to perform a factory reset to eliminate abnormal behaviour.

STEPS FOR RESETTING

1. Open the casing of the Humidity Sensor.
2. Press and hold the round menu button inside the device.

h.



3. While you are holding the button down, the LED first flashes once, then two times in a row, and finally

numerous times in a row.

4. Release the button while the LED is flashing numerous times in a row.
5. After you release the button, the LED shows one long flash, and the reset is completed.

Fault finding

- • If the search for a gateway has timed out, a short press on the button will restart it.
- In case of a bad or wireless weak signal, change the location of the Humidity Sensor. Otherwise, you can relocate your gateway or strengthen the signal with a smart plug.

Battery replacement

The device will blink twice every minute when the battery is low.

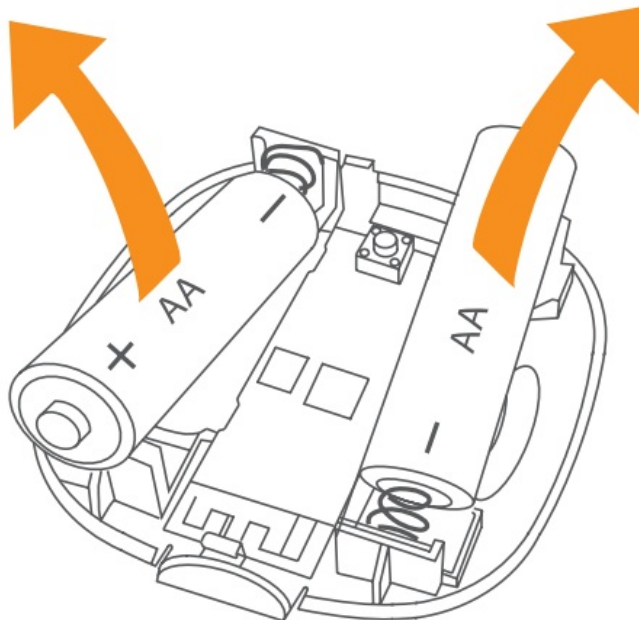
CAUTION:

- Do not attempt to recharge or open the batteries.
- Risk of explosion if batteries are replaced by an incorrect type.
- Dispose of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery can result in an explosion
- Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas
- Maximum operation temperature is 50°C / 122°F
- If you experience leakage from the batteries, immediately wash your hands and/or any affected area of your body thoroughly!

CAUTION: When removing cover for battery change – Electrostatic Discharge (ESD) can harm electronic components inside.

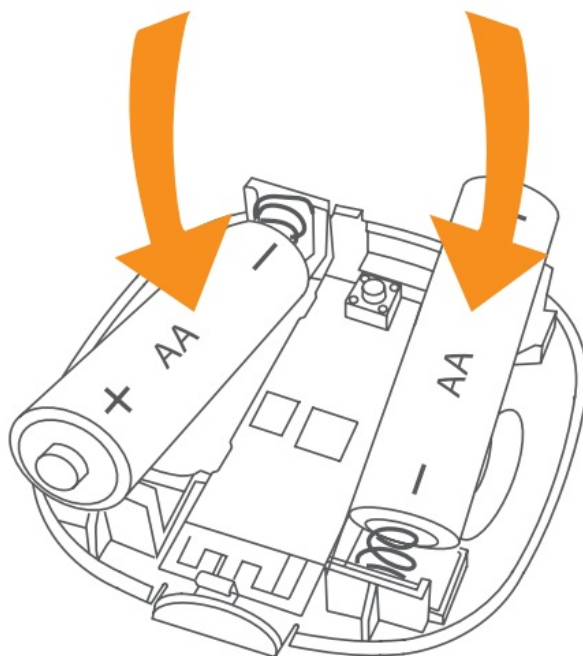
1. Open the casing of the Humidity Sensor to replace the batteries.

i.



2. Replace the batteries respecting the polarities.

j.



3. Close the casing of the sensor.

Disposal

Dispose the product and batteries properly at the end of life. This is electronic waste which should be recycled.

FCC statement

Changes or modifications to the equipment 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.

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter 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 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.

IC statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

ISED statement

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (B)/NMB-3(B).

CE certification

The CE mark affixed to this product confirms its compliance with the European Directives which apply to the product and, in particular, its compliance with the harmonized standards and specifications.

IN ACCORDANCE WITH THE DIRECTIVES

- Radio Equipment Directive (RED) 2014/53/EU
- RoHS Directive 2015/863/EU amending 2011/65/EU



Other certifications

- ZigBee Home Automation 1.2 compliant

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Customer Support

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Documents / Resources



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HMSZB-110 Humidity Sensor, HMSZB-110, Humidity Sensor, Sensor

References

- [Develco Products - White label products for security, home care, and energy management.](#)