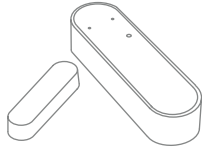## eng

Window Sensor 2
WISZB-134

INSTALLATION MANUAL
Version 1.3

Product description

The Window Sensor 2 detects and reports opening and closing of doors and windows. Easily installed on any door or window, the sensor triggers a signal when parted. This lets you know when a room is entered, if a window or a door has been left open, etc.

Disclaimers

CAUTION:

· Choking hazard! Keep away from children. Contains small parts.

· Please follow the guidelines thoroughly. The Window Sensor 2 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 above-mentioned situations occur.

Precautions

· When removing cover for battery change - electrostatic discharge can harm electronic components inside.

· Always mount indoors as sensor is not waterproof.

· Do not place the sensor close to magnetic or electromagnetic fields. This device includes a magnet. The magnet creates a magnetic field that may cause damage to computer hard drives, magnetic cards, data storage devices, hearing aids and speakers e.g. Therefore, we strongly advise you to never position the magnet close to electronic devices.

Getting started

1. Open the casing of the device by pushing the fastening on top of the device to remove the front panel from the back cover.

a.

2. Insert the enclosed batteries into the device, respecting the polarities

3. Close the casing

4. The window sensor will now start searching (up to 15 minutes) for a Zigbee network to join.

5. Make sure that the Zigbee network is open for joining devices and will accept the window sensor.

6. While the window sensor is searching for a Zigbee network to join, the yellow LED is flashing.

b.

7. When the yellow LED stops flashing, the window sensor has successfully joined the Zigbee network.

Placement and mounting

· Place the window sensor indoors at a temperature between 0-50°C.

· The magnet can be placed on either side of the sensor.

SEE PAGE 2 FOR ILLUSTRATIONS

Mounting

When installing the sensor, it is important to assure that the sensor reads the correct signal of the magnet and registers the open and close position of the window. This can be tested by pressing the button on the sensor, as described in the "Testing" section.

· Clean the surface before mounting.

· The sensor (a in fig. c) should be mounted to the frame using the double stick tape, already applied on the back of the sensor and magnet. Press firmly to secure sensor.

c.

Frame   Window/Door

a   b

<4 cm
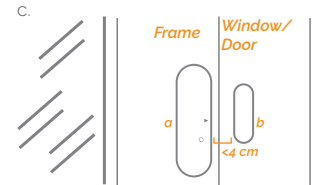
· There are many ways to mount the sensor and magnet, as windows and doors vary greatly. It is important to consider mounting the magnet as close to the window sensor as possible and no longer than 4 cm away.

· For optimal signal reception between sensor and magnet avoid a 45° installation if possible

Testing

The sensor will flash green when you open or close the door/window. For testing purposes, you can press the reset button to make sure the sensor and magnet are aligned.

d.
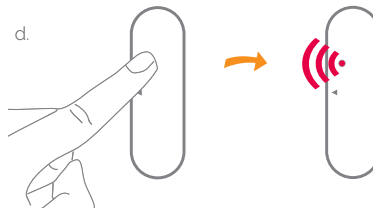
· Press the button once, and the LED will now flash either green or red to indicate whether the door/window is opened or closed.

· Test it by pressing the button when the door/window is open. The LED must flash red.

· Now, press the button when the door/window is closed. The LED must flash green.

· If any of the above does not occur, adjust the placement of the magnet and sensor, and retry the testing phase.

Resetting

Resetting is needed if you want to connect your Window Sensor to another gateway or if you need to perform a factory reset to eliminate abnormal behavior.

The reset button is marked with the small ring on the front of the sensor.

STEPS FOR RESETTING

1. Press and hold down the reset button for approximately 14-16 seconds.

2. 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.

e.
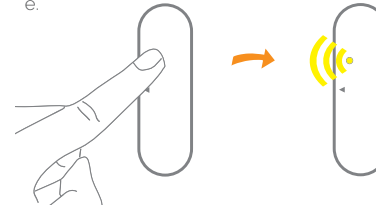
3. Release the button while the LED is flashing numerous times in a row.

4. After you release the button, the LED shows one long flash, and the reset is completed.

Modes

ACTIVATION MODE

A single green flash means that the sensor and the magnet are moving either away from or towards each other.

f.

SEARCHING GATEWAY MODE

Yellow flashes every second for a longer period, means that the device is searching for a gateway.

LOST CONNECTION MODE

When the yellow LED flashes 3 times, it means that the device has failed to connect to a gateway.

LOW-BATTERY MODE

Two consecutive yellow LED flashes every 60 seconds, means that the battery should be replaced.

Fault finding

· If the Window Sensor does not work when the window or door is parted, the probable cause is a faulty battery. Replace the batteries if they are worn out.

· In case of a bad or weak signal, change the location of the Window Sensor. Otherwise you can relocate your gateway or strengthen the signal with a smart plug.

· If the search for a gateway has timed out, a short press on the button will restart it.

Battery replacement

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 device by pushing the fastening on top of the device to remove the front panel from the back cover.

2. Replace the batteries respecting the polarities. The Window Sensor uses 2xAAA batteries.

3. Close the casing.

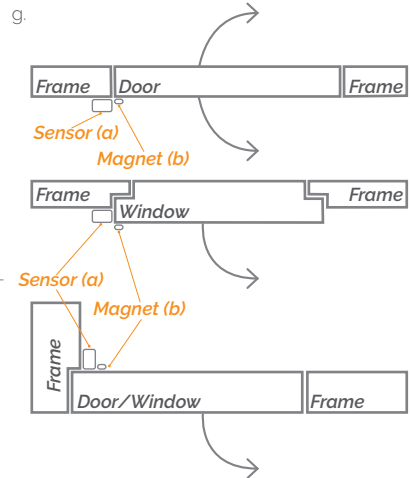4. Test the Window Sensor.

Other information

Note local regulations about information to your insurance company regarding installed Window Sensors.

Disposal

Dispose the product and battery properly at the end of life. This is electronic waste which should be recycled.
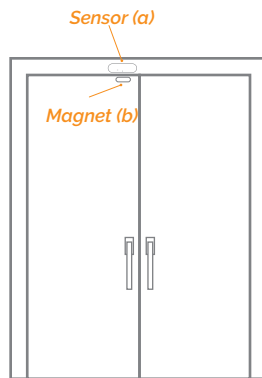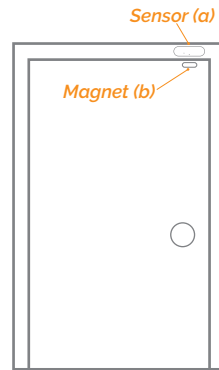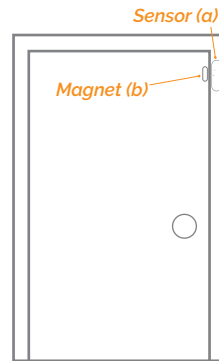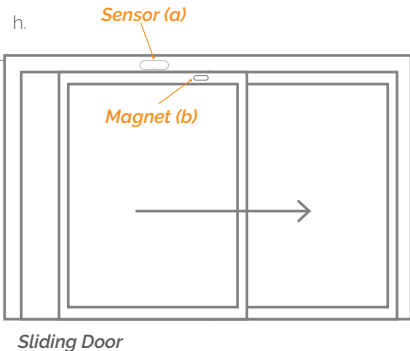
Placement Examples - Top View

· It is most beneficial to place the sensor and the magnet as closely together as possible..

· Be aware that on magnetic surfaces the connection between the sensor and the magnet can be affected.

g.

Frame | *Door* | *Frame*
Sensor (a)
Magnet (b)

Frame | *Window* | *Frame*
Sensor (a)
Magnet (b)

Frame
Door/Window | *Frame*

Placement Examples - Doors

· Be sure to mount the sensor on the frame, to protect the electronics from heavy vibrations.

· The sensor and magnet should be mounted on the side opposite from the hinge/pivot point.

h.

Sensor (a)
Magnet (b)
Sliding Door

Sensor (a)
Magnet (b)

Sensor (a)
Magnet (b)

Sensor (a)
Magnet (b)

Placement Examples - Windows

· Be sure to mount the sensor on the frame, to protect the electronics from heavy vibrations.

· The sensor and magnet should be mounted on the side opposite from the hinge/pivot point.

· If the window slides open, the sensor and magnet may be mounted in many positions, however the sensor should always be placed on the frame.

i.

Sensor (a)
Magnet (b)

Sensor (a) | *Magnet (b)*

Sensor (a)
Magnet (b)
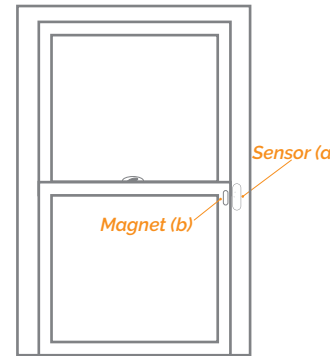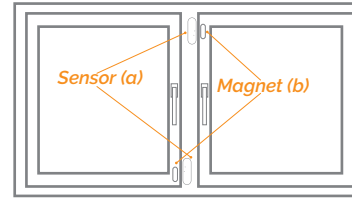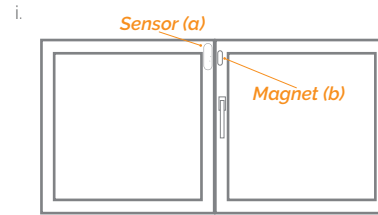
FCC statement

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

English

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.

Français

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

3. L'appareil ne doit pas produire de brouillage;

4. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

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 3.0 certified.

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