

Bookmark Sensor

BMS-DS

Specification

- Power Supply: Built-in battery (LiMnO2)
- Support 10 years battery life
- Z-Wave 700 series, range up to 80m in open air
- Support S2 encryption
- Visual LED indication
- Work Environment:-20~+60 C <99%RH (Non-condensation)
- Dimension: 185* 16*3 mm
- Z-Wave Frequency: Operating frequency range, defined by the regulatory bodies (for Z-wave in Europe: 868.4 MHz, or other regions 908.4/916.0 MHz , 921.4 MHz)
- Maximum Transmitting Power: +13dbm
- Housing: Tempered glass + VO Flame-retardant ABS, IP65 water-proof rating
- Installation: Adhesive mounting



Declaration of Conformity



Hereby, we declare that the device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

WEEE Directive Compliance



The device marked with this symbol should not be disposed of with household waste. It is the user's responsibility to deliver the used appliance to a designated recycling point.

Z-Wave Compliance

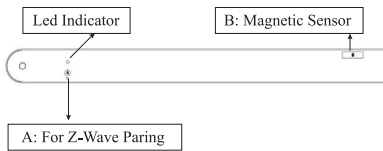


Sensor is a fully compatible Z-Wave Plus V2 device.

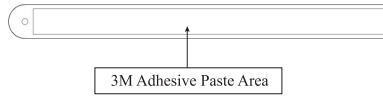
1

Installation Instruction

Top View

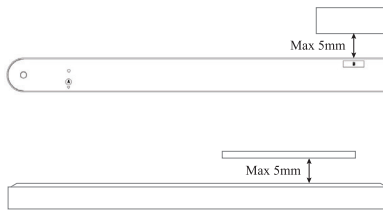


Bottom View

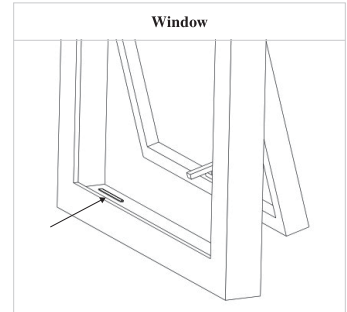
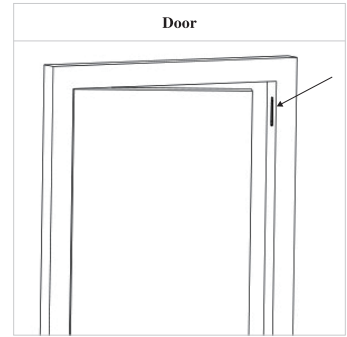


1. Stick the included adhesive to the bottom of the device and magnet.
2. Stick the device on the door/window frame.
3. Stick the magnet onto the moving part of the door/window, it is suggested to fit in between wood, aluminum, door and window frames for invisibly purpose, no further than 5mm from the sensor.
4. Sensor should not be mounted on magnetic surface or within metal structure as the range will be reduced.

Correct install positioning of the sensor:



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Operation

COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION,

COMMAND_CLASS_ASSOCIATION_GRP_INFO,
COMMAND_CLASS_MANUFACTURER_SPECIFIC,
COMMAND_CLASS_DEVICE_RESET_LOCALLY,
COMMAND_CLASS_INDICATOR,
COMMAND_CLASS_POWERLEVEL,
COMMAND_CLASS_BATTERY,
COMMAND_CLASS_NOTIFICATION,
COMMAND_CLASS_WAKE_UP,
COMMAND_CLASS_FIRMWARE_UPDATE_MD,

Command Class supported by the device:

COMMAND_CLASS_ZWAVEPLUS_INFO,
COMMAND_CLASS_TRANSPORT_SERVICE,
COMMAND_CLASS_SECURITY_2,
COMMAND_CLASS_SUPERVISION

Waking up the Door/Window Sensor

The Door/Window Sensor needs to be woken up to receive information about the new configuration from the controller, e.g. parameters and associations. To wake up the sensor manually, put the magnet close to A point once.

Wake up interval

Available settings: Max 8640000 sec(100 days), Min 3600 sec(1 hour)

Default setting: 864000 (10 days)

Longer time interval means less frequent communication and thus a longer battery life, it is suggested to set the interval greater than 86400 sec(1 day).

1-Year Limited Warranty

We warrant this product to be free from defects in material and workmanship under normal and proper use for one year from purchase date of the original purchaser. We will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. THIS LIMITED WARRANTY DOES NOT COVER ANY DAMAGE TO THIS PRODUCT THAT RESULTS FROM IMPROPER INSTALLATION, ACCIDENT, ABUSE, MISUSE, NATURAL DISASTER, INSUFFICIENT OR EXCESSIVE ELECTRICAL SUPPLY, ABNORMAL MECHANICAL OR ENVIRONMENTAL CONDITIONS, OR ANY UNAUTHORIZED DISASSEMBLY, REPAIR OR MODIFICATION. This limited warranty shall not apply if: (i) the product was not used in accordance with any accompanying instructions, or (ii) the product was not used for its intended function. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, that has not been handled or packaged correctly, that has been sold as second-hand or that has been resold contrary to Country and other applicable export regulations.

Z-Wave operation

Adding & Removing the device from Z-Wave network

1. Activate Add/Remove mode in the gateway (refer to your controller manual).
2. Put the magnet close to A point once during the add process and then remove the magnet, the LED light will be on for about 3 seconds and then device will send out a learning frame, which will enter the process of adding the device into the Z-wave network. Successful removing will be confirmed by the Z-Wave controllers.
3. Follow the same step to remove the device from Z-wave network.

Note: A Security Enabled Z-Wave Controller must be used in order to fully utilize the product.

Association Group

The device supports 2 association groups (AG):

AG Identifier	Max Node ID	Command Class	Trigger Situation
1	1	COMMAND_CLASS_NOTIFICATION, NOTIFICATION_REPORT	When the magnet close or leave nearby area of the B point
2	5	COMMAND_CLASS_BASIC, BASIC_SET	When the magnet close or leave nearby area of the B point

Command Class supported by the device:

(Support S2 unauthenticated level)

COMMAND_CLASS_VERSION,
COMMAND_CLASS_ASSOCIATION,

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