EN

INSTRUCTION MANUAL

Door and Window Sensor Bluetooth
Art.No.: 99 190 57
Model No.: io-DS-BLE

Bluetooth®
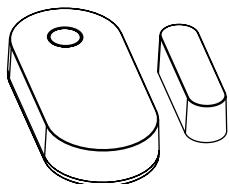
MALMBERGS

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AF/BC-JA/YL-210305

TECHNICAL SPECIFICATIONS

Product type	Door and window sensor Bluetooth
Wireless connection	Bluetooth
Operating temp.	Ta: -20°C - +45°C
Case temp.	Tc: +50°C (Max.)
Dims (WxDxH)	60x27x10 mm 35x10x10 mm
Battery type	CR2032 3V DC (Included)

EMC Standard (RED)
ETSI EN 301 489-1 V2.2.3(2019-11), ETSI EN 301 489-17 V3.1.1(2017-02), EN 55032:2015, EN 55035:2017

Safety Standard (RED)
EN 62368-1:2014+A11:2017, EN 60598-2-12:2013, EN 60598-1:2015 +A1:2018, EN 62471: 2008, EN 62493:2015, EN 62031: 2008+A1:2013+A2:2015, EN 61347-1:2015, EN 61347-2-13:2014+A1:2017

RoHS Standard (RoHS)
(EU)2015/863, 2011/65/EU

Radio Equipment (RED)
EN 300 328 V2.2.2

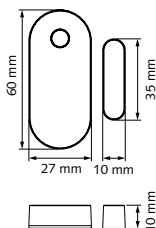Health Standard (RED)
EN 50663:2017

REACH Standard (RED)
(EC) No 1907/2006

INSTALLATION
⚠ **Warnings:**

- This device does not support standalone application and it must work together with the Bluetooth gateway (Example 99 190 42 optional accessories) under the same WIFI network configuration.
- Indoor use only.
- Keep the device out of reach of children.
- Keep the device away from water, damp or hot environment.
- Do NOT exceed the recommended electrical ratings.
- Install the device away from strong signal sources such as microwave ovens, which may lead to signal interruption resulting in abnormal operation of the device.
- Obstruction by concrete wall or metallic materials may reduce the range of the device and should be avoided.
- Do NOT attempt to disassemble, repair or modify the device.

Product size

60 mm
35 mm
27 mm
10 mm
10 mm

Control your Smart Home wherever you are

Device Sharing

APP — Anywhere

99 190 57 Door sensor
99 190 58 PIR sensor
99 190 59 T&H sensor

APP

Bluetooth® Gateway 99 190 42 (Example)

99 190 57 Door sensor
99 190 58 PIR Sensor
99 190 59 T&H sensor

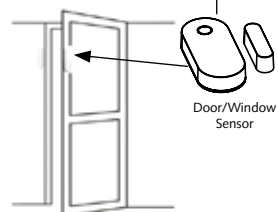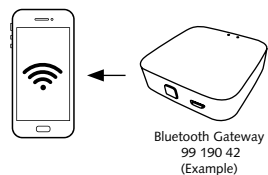APP — Apps
Router
Bluetooth® Gateway 99 190 42 (Example)

Wiring Instructions and Diagrams

The device can only be installed indoors. The correct installation should meet the following conditions:

1. Ensure that the device is within the range of the Bluetooth gateway network.
2. The device detects the opening or closing of the door and window, and works in conjunction with other devices to implement smart home application.
3. Ensure that the door magnet is located on the side of the alignment mark.

Bluetooth Gateway 99 190 42 (Example)

Door/Window Sensor

Important:
Remove plastic insert before installation.
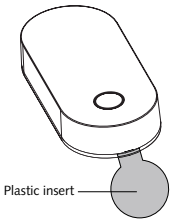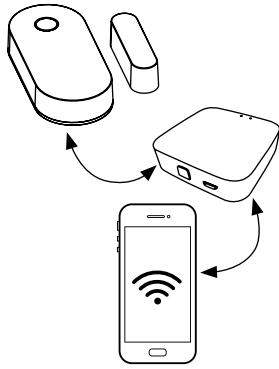
Plastic insert

APP USER MANUAL

iOS APP/Android APP

1 Scan the QR code to download the MALMBERGS App. You can also search the keyword "MALMBERGS" at App Store or Google Play to download the App.

← Register

Region

Mobile number/e-mail address

Obtain verification code

2 Register your account with your mobile number or e-mail address, wait a few minutes for verification code (by text message or e-mail) and enter it where required to set a password, and "Create Family". If you already have an account, please log in directly with your mobile number or e-mail address and password to open the App.
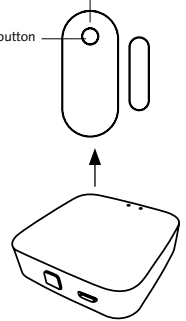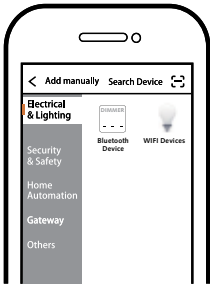

Indicator light (Red): Working mode

Reset button

Bluetooth Gateway
99 190 42
(Example)

3 Make sure the Bluetooth gateway is added and installed to the WIFI network. Ensure that the product is within the range of the Bluetooth gateway network.

Add manually   Search Device

Electrical & Lighting

Bluetooth Device   WIFI Devices

Security & Safety

Home Automation

Gateway

Others

4 Click "+" (Add sub-device) to select the suitable product category and follow the on-screen instruction for pairing.

Door Sensor

Done

All Devices Living Room Master Bedro...

Door Sensor

5 When pairing is done, the device will be shown in the App.

⚠ **Note: Contents, icons and symbols shown in the mobile app may be subject to change without prior notice due to continuous upgrading and improvement.**

FAQ

Q1: What should I do if I can't configure the device?
a. Please check whether the device is powered on.
b. Make sure your mobile and the device are in the same 2.4GHz WIFI network.
c. Please check if the WIFI signal is strong enough.
d. Make sure the password entered in the App is correct.
e. Make sure the wiring is correct.

Q2: What happens if the WIFI goes off?
You will not be able to control your device until the WIFI resumes normal.

Q3: What should I do if I change the WIFI network or change the password?
You can connect the module to the WIFI network according to the App User Manual.

Q4: How do I reset the device?
Press and hold the reset button until the red indicator light is flashing rapidly.

Q5: Other technical problems?
Please contact our technical support by e-mail: smarthome@malmbergs.com.

SYSTEM REQUIREMENTS
• WIFI ® Router
• 99 190 42 Bluetooth gateway (Example)
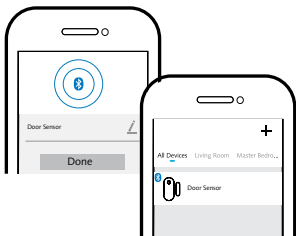• iPhone (iOS 9.0 or higher)
• Android 5.0 or higher

DECLARATION OF CONFORMITY
We hereby certify that the device satisfies the provisions for CE/Intertek markings in accordance with the EU directives EMC Directive 2014/30/EU, RE Directive 2014/53/EU, RoHS Directive (EU)2015/863 as described in this manual.

For and on behalf of:

Malmbergs Elektriska AB, Sweden.
Mr. Anders Folke / Product Manager
Date: 05/03/2020

CE RoHS