

Mini Wireless Hall Effect Sensor User Guide

I Introduction

A mini wireless hall effect sensor which detects a magnetic field within close proximity. The sensor also provides low battery status. It is a separation triggered hall effect sensor. When the magnet part and main body are separated or reunited, a signal is sent to indicate the event.

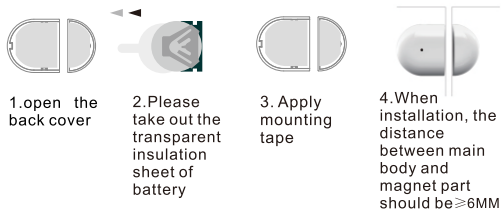
II. Features

- High sensitivity magnetic sensor with stable and reliable performance.
- Periodic heartbeat signal monitors sensor health.
- With heartbeat codes mechanism, can monitor sensor's failure.
- Battery level monitoring with low battery report.
- Ultra-low power consumption and extra-long standby time, up to 3 years battery working life.

III. Installation

1.Instruction

Shown as below picture



2.LED Indicator

LED indicator flashes when alarm is triggered

IV. Notice

- 1.Please replace the battery in time when receive the low battery report.
- 2.When installing, locate the sensor away from nearby magnetic objects.

Communication protocol	BLE
Static current(MAX)	≤9uA
Transmit current(MAX)	≤10mA
Transmit power	4dBm
Receive sensitivity	-96dBm
Frequency band	2.4GHz
Max communication distance	≤100m
Working voltage	DC3V (1pc CR2032 button battery)
Induction distance	≥6MM
Alarm indicator	LED status indicator
Output signal type	Alarm report, low battery report, heartbeat report
Working humidity & temperature	-10℃ ~ 50℃; ≤85%RH no condensation
Dimension	48*32*13mm (L*W*H)

FCC STATEMENT :

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.

Warning: 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.