易 能 智 达

Tel：（86-760）88795588 Tax：（86-760）89935588

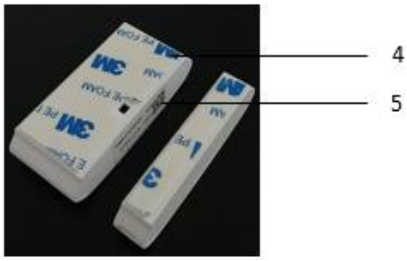
Zhongshan ENZD Electronics Ltd. Address：**Guangdong Zhongshan JUYE Road** No. 4

Product Features:

ENZD Door and window magnetic sensor has 2 parts. One is window/door magnet main part (the bigger one); the other is magnet strip (the smaller one). Place them together or take them apart will trigger radio signal transmitted. One example of application scenarios is working with other sensors to detect if there is anyone in a room. It may also be used to work with AC system to turn AC on or off according to the door status.

The unit can be mounted anywhere and reconfigure or relocated as needed, no costly and time-consuming wiring installation needed.

Product	Door and window magnetic sensor
Model	EN-M0012W
Specification	
Power supply	CR2032 Button cell
RF	2.480GHZ
RF Bandwidth	540KHZ
Modulation Mode	MSK
RF transmission Power	<10mW
RF transmission Range	Open space >120m， Indoor >30m
Working T&H	0℃~60℃， 20%~95%RH
Storage T&H	-10℃~60℃， 10%~95%RH ， non-condensing
Atmosphere	86kPa-106 kPa
Dimensions	Main part： 71mm x 31mm x 15mm； Magnet strip： 71mm x 12mm x 15mm
Weight	36g
Structure	



No.	Name	Description
1	Main Component	The bigger one is the main component.

2	Magnet Strip	The smaller one is a permanent magnet.
3	LED	Putting the main part and magnet together or take them apart will trigger radio signals transmitted, and the blue LED will flash once. If the product is at low voltage, instead of blue, red LED will flash.
4	Install	For installation, remove the film, and then paste the main component and the magnet strip at each side of a door frame or a window frame.
5	QR code	Sensor ID

Install

The door and window magnetic sensor can be installed using double-sided tape or screws. It is easy to paste with double-sided tape, and there is almost no damage to the pasted object. It is recommended that you use this kind of installation.

Paste with double-sided tape

1. Paste double-sided adhesive tape on the back of "window magnetic main component" and "magnetic strip" of the sensor.
2. Tear off the surface of the double-sided tape with your fingers.
3. Paste the main component and magnetic strip to desired location.

Install with screws

You can use screws to fix it at a door frame. We recommend that you use this method to install the main component, however because the magnet strip is small, we do not recommend this method to install it.

1. Tighten the screws into a door frame.
2. Fix the main component and magnet strip to the door frame edge.

Be careful:

Pay attention to its mounting position. The middle section of the main component" should be close to the magnet strip (but when installing, do not let the two close together).

If the door frame is wide, you can slot the door frame. Then place the main component and magnet strip in the slotted position. In this way, it cannot be seen in the appearance.

"Magnet strip" is relatively small, we suggest you use double-sided tape to install it.

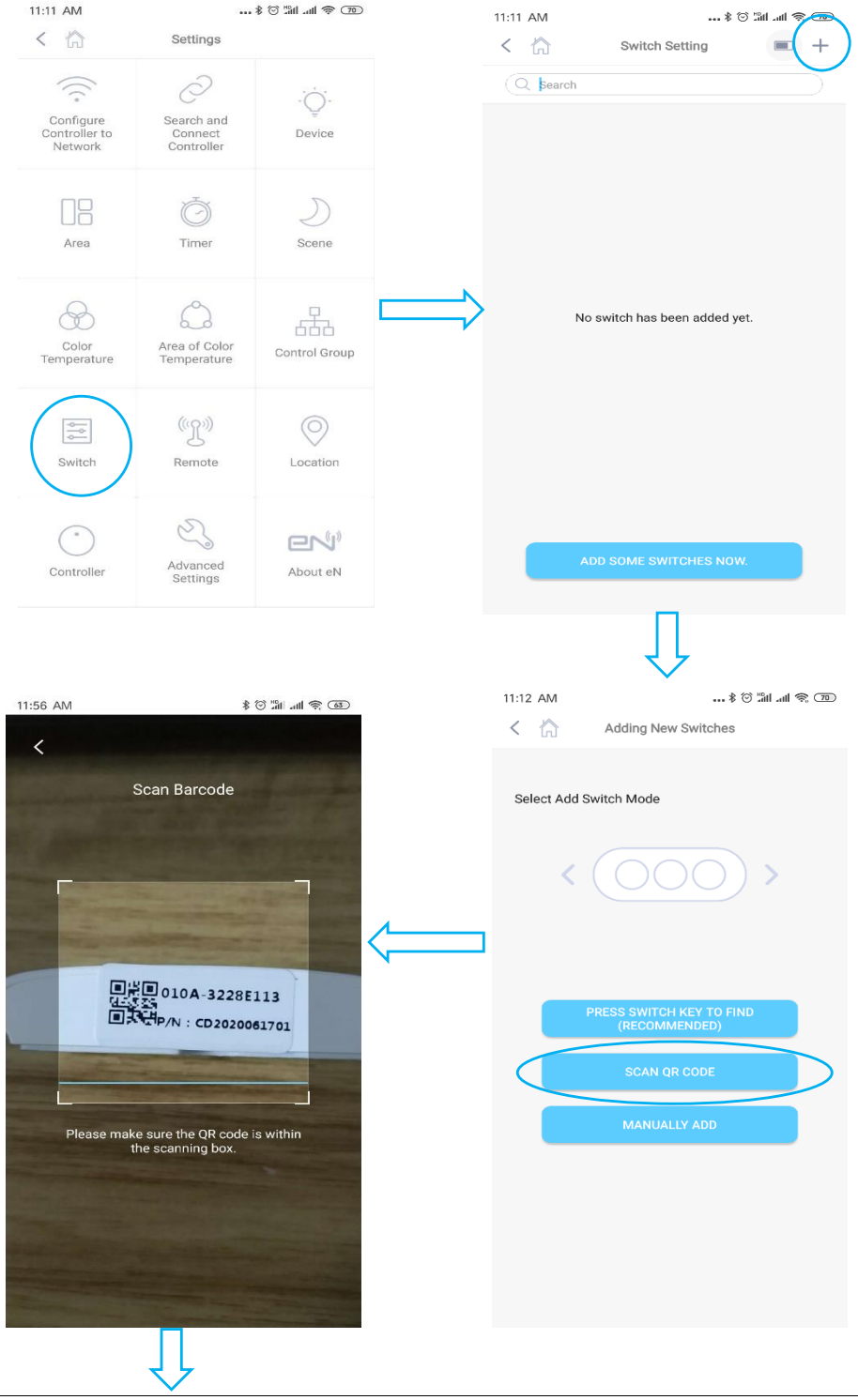
Warning: It cannot be installed on the door and window with magnetism, which may cause it not function correctly, or even damage it.

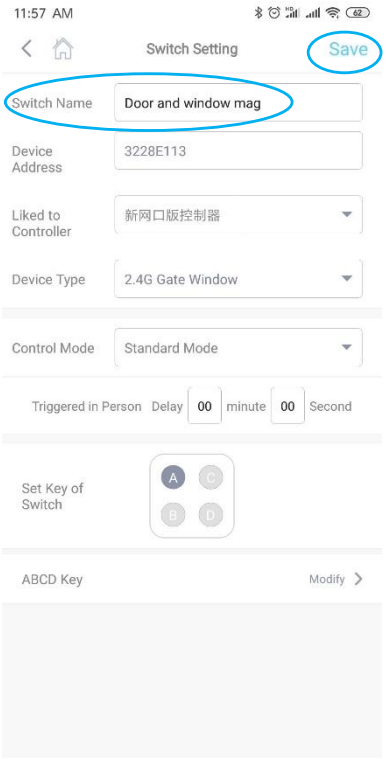
Usage

You can put the main part and magnet together or take them apart to trigger radio signals transmitted。For example, fix the main component and magnet strip to the door frame edge, and then, if you open the door or close the door, it will transmit.

The sensor can be configured by using En and Ed APP, which can be downloaded from many app stores. For usage, please refer to the manual of relevant software products. Identify the QR code, you can download the APP.

After you download the EN APP, you should click “Settings”→”Switch” →”+” →”SCAN QR CODE” →enter name→click “Save”. Following the figure below.





After configuration, the following effect can be achieved: after you open the door, the corridor light in front of the door will automatically be on. After the door is closed, working with an infrared sensor. If there is no person in the room, the light will turn off automatically. If there is someone in the room, the light will be on.

Warning：

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.

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.
NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20Cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter