Smart Converter

Instructions

Before using this device, please read this manual and properly stored it for future reference

Model: TC-U9ZF-A

6. Product specification

Working Voltage	AC 110V~240V
Working frequency	868MHz, +10dBm
Static electricity power consumption	< 50mW
Working temperature	-10 ~ +55℃
Working humidity	10% ~ 95%
Storage temperature	-20 ~ +70℃
Dimension	86*86*39mm

Notice:

1). Before installation the device, make sure the power has cut off.

2). The address code of each security sensor should be unique, if two different security sensor
with the same address code, the converter will consider they are one device and trigger the same alarm.

3). Please set the launch shock resistance of the security sensor at 3.3M, or the learning will not successful.

4). The converter only can learning one of the frequency 315MHz or 433MHz, can not support both at one converter.

5). The 1/2 CH is forced arming 7x24H, and can not disarm, it is used for the top security sensors, as Smoke and Gas sensors.

1. Products description

The smart converter for RF signal exchange, transfer the RF 315MHz or 433MHz signal to 868MHz and working to the home automation terminal, to realize the wireless security sensors alarm to the control terminal, to provide a safety life for people.
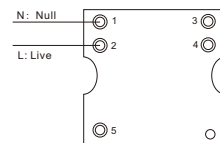
2. Features

1). Delicate and easy to installation.

2). Receive the RF 315MHz or 433MHz signal from the security sensors.

3). Intelligent electric auto protection, save energy.

4). Support max 6 different group of security sensors.

5). Wireless connect and register.

3. Product appearance and structure

1). Appearance

1/2 register — 1/2 Register
Indicated LED
3/4 register — 3/4 Register
5/6 register — 5/6 Register
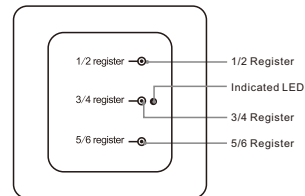
2). Wire Diagram

N: Null
L: Live
1 3
2 4
5

4. Installation process

A. Power off and connecting the wires
   L: Live wire   N: Null wire
B. Take down the cover, and install to the install box
C. Install the cover
D. Power on
Installation Request: The depth above 50mm

5. Operation Instruction

1). Register operation

Press any one of the register button (need a sharp tool to insert the button to click), then the relative indicated LED will ON, and it enter the registering status.

Then add a security device as door sensor, smoke sensor to the home automation control terminal.

Under the registering status, if the converter received configuration command signal from the control terminal, the indicated LED will OFF, that means the register is successful.

Repeat the above steps for other channel register, and should register each channel one by one.

1, 3, 5 CH with RED indicated LED

2, 4, 6 CH with GREEN indicated LED

2). Learning the 315/433MHz RF signal of security sensors

Press any one of the register button (need a sharp tool to insert the button to click), then the relative indicated LED will ON, it is ready for the signal learning.

Then manually trigger the specified 315/433MHz sensors, the converter will receive the triggered signal and finish the learning, it's indicated LED will be OFF.

Repeat the above steps for other channel learning, and should learning for each channel one by one.

3). Empty the learned data

Long press the 5/6 register button for 5 sec until the orange LED flash, then press the 3/4 register button to empty all the learned data.

If there is no operation in 20 sec, it will return to the normal status.

4). Indicated LED instruction

a. When under the arming status, the Green LED will flash, when disarming LED will be OFF.

b. When learning under the arming status, the Red LED will continue ON, when finish learning it will be OFF

c. After learning the security sensor, each time the sensor triggered, the converter receive the alarm signal, and the Red LED will flash one time.