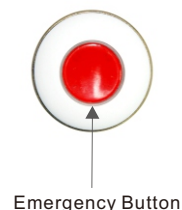# TC-U9AF-JJ/Z
ZigBee Emergency (SOS) Button Installation Instructions

1. Product introduction

TC-U9AF-JJ/Z is a style of "mini" emergency button. It can remotely work with our wireless products which use the same protocol Zigbee. With Unique and smart appearance, it also can take as a decoration. It is easy to operate, with high sensitivity in 30m area. Code it with other wireless products first, then able to control the wireless device. This Emergency button will help you to send alarm under emergency situation so that protect your life and your property.

Emergency Button

2. Specification

Network Protocol: Zigbee IEEE802.15.4
Communication Protocol: Zigbee HA protocol
Max transmitting Frequency: 4dbm
Working Frequency: 2.4GHz
Working Voltage: DC3V,1*CR2450 button battery
Working Current: 30mA
(when in network, ≈27mA,others ≈8.5mA)
Standby Current: ≤15uA

①When alarm, the current increases suddenly, after alarm , it will enter into sleep mode.
②When voltage is lower than 2.3V, it will give low battery alert. The living-check time between gateway and button is 40min, it mainly check the voltage status
Signal led indication: Led on
Size:Φ50*17mm
Weight:21g

3. Main Features and Installation

3.1 Main Features

a. Single button function.

b. Easy to operate secretly in emergency situation.

c. Press the big button to alarm directly, then OK to get the status push on app.

d. Low consumption, show signal output.

e. Compatible with all our company product using Zigbee Protocol.

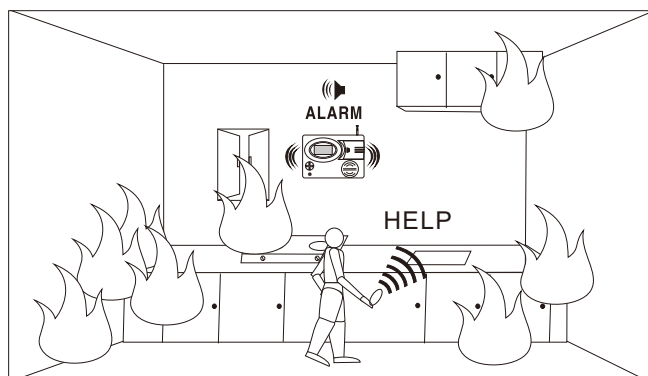### 3.2 Installation

① Code into gateway

Open the cover above the battery, use a thing like a thimble to press the little button inside, the led light will flash within 1s. After coded, it wont flash.

② Delete from gateway

Open the cover above the battery, use a thing like a thimble to press the little button inside for more than 6s, the led light will be on, once the led begins to flash, it will exit the gate automatically.

4. Operation

In emergency situation or other special cases, press the red button, the gateway will send alarm.

5. Test and Maintenance

5. 1 Test
The SOS button with batteries in for the package, the user can test as follow directly.

① at the place 3m away from the gateway, press emergency button. the led on the gateway will flash twice, then the gateway makes alarm

② test at a place where it's difficult for wireless signal to arrive or a place with signal interference. E. g. A place blocked by wall or big metal object. Make sure if the emergency button work normally or in such a environment.

5. 2 Change batteries
When get low battery alert, please change batteries as follows
(battery model: CR2450 button battery)

A. Drive out the two screws on the back of the emergency button.
B. Take out the used up batteries.
C. Put the new batteries in correct positive and negative way.
D. Cover the back cover and drive the screw.
E. Test if emergency button work normally with new batteries. Press the button, the led light on, the gateway will make responses.

6. Work performance limited

Our wireless products are very reliable already, but for some other special reason, the working performance will be limited in certain range. We list some situation as follow:

A. The voltage of gateway is not stable.
B. Low-voltage of emergency button.