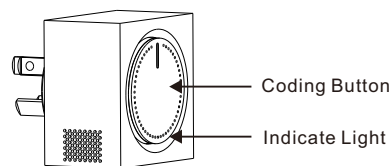


# TC-U9AF-RQ/Z

## ZigBee Gas Detector Installation Instructions

### 1. Product introduction

TC-U9AF-RQ/Z is a Gas Detector suitable for indoor use. It works steadily and is easy to install. It can detect the gas leakage in time and send out the sound and light alarm signal accurately. It is suitable for families, hotels and apartments, Such as the presence of combustible gas places for safety monitoring.



### 2. Technical Parameters

Detection gas: natural gas (methane)  
Receiving/transmitting distance:  $\leq 80\text{m}$  (open ground)  
Protocol: ZigBee proprietary protocol  
Alarm concentration: 8% LEL  
Alarm concentration error:  $\pm 3\%$  LEL  
Power:  $\leq 2\text{W}$   
Network Protocol: Zigbee IEEE802.15.4  
Working voltage: AC220V plus or minus 15%

Wireless frequency: 2.4GHz  
Size: 53\*53\*61mm (L\*W\*H)

LED Indicator:  
Red/green/blue lights flicker alternately -- Power on  
Blue lights are always on -- Under normal working condition  
Red light flashing -- Alarm active

### 3. Operation

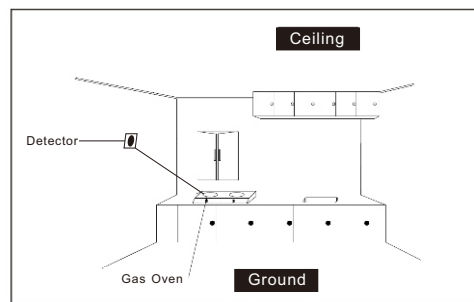
**Add to Network:** Long press coding button for more than 5 seconds, the blue light flashes into "coding mode". Press the Coding button to add the network, and there will be Green light flash, when add to network success, the Green light will off.

**Quit Network:** Long press coding button for more than 5 seconds, the blue light flashes into "coding mode". Long press Coding button, the green light keep on, long press more than 6 seconds, and it will quit the network, and the Green light will be flash.

**Exit the coding mode:** Under the coding mode, if there is no operation after 15 seconds, it will exit the coding mode automatically.

### 4. Products Use

- 4.1 this product is suitable for wall installation and suitable location is selected, generally within 2m from the gas source radius.
- 4.2 plug the detector directly into the socket on the wall.
- 4.3 when the detector enters the normal working state after electrifying, it can sense the combustible in the ambient air. When the gas concentration is higher than the set alarm value, the alarm will keep alarming until the ambient air is combustible. Stop the alarm when the concentration is lower than the set value.
- 4.4 when installing a home, it should also pay attention that the installation position should not be too close to the gas furnace, so as to avoid the detector being exposed The baking of oven flame; It cannot be installed in the place where the oil smoke is large, so as not to cause false alarm or cause the detector to enter the stomatal air intake is not free, thus affecting the sensitivity of the alarm, also cannot be installed in the exhaust fan, the window edge and the bathroom where the water vapor is higher.



### 5. Products Testing

After the installation of the gas leak detector, a lighter can be used to test the detector by releasing some gas to the surrounding at a distance of about 5cm from the gas convection window without ignition. Alarm or as a test when the system is connected to the network for debugging, there will be networking signal (switch volume) output when the alarm alarm is triggered, which can be used as the security input of various security alarm host. Don't be too much. Frequent testing with gas will reduce the sensitivity of gas sensitive components. The alarm concentration of gas is set according to the value specified in the CJ3057-1996 standard. When the ambient air when the concentration of medium combustible gas is lower than the alarm set value, the alarm will automatically stop the alarm and return to the monitoring state.

### 6. Notes

- A. This product must be regularly maintained according to the installation instructions. The life of the alarm cannot be infinite, it should be tested every half a year, and the failure must be repaired or replaced as soon as possible.
- B. This product can reduce the occurrence of accidents, but it cannot ensure the safety of all. In addition to using this product correctly for your safety, you should also be more alert in daily life. Strengthen the awareness of safety and disaster prevention.

### 7. Alarm Processing

When the concentration of combustible gas in the ambient air reaches or exceeds the concentration set by the alarm, the alarm will enter a continuous alarm state.

- A. Immediately close the pipe valve.
- B. Open the Windows immediately to let the air in.
- C. Extinguish all sources of fire and avoid using anything that sparks (such as opening a lighter, striking a match, etc.).
- D. Avoid switching on and off electrical appliances.
- E. Check the cause of gas leakage and inform relevant departments and professionals to deal with it in time. After inspection, if the alarm is wrongly reported, the user should check whether the installation position of the alarm is appropriate.

### 8. Daily Maintenance

The gas leak alarm is used for a long time. The gas will stick to the window and affect the sensitivity of the gas. Suggest user (or according to the condition of pollution) every three months with the brush mix a small amount of the gas convection around the window cleaner, do not make the cleaning fluid into the body, to test the product after cleaning.