

⌈Read the installation and operation instructions before installing and using the product⌋

# **TCZS5274 Detector Remote Indicator**

## **Installation and operation instructions**



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Version	Date	Author	Comment
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## 一. Sketch

The TCZS5274 detector remote indicator (hereinafter referred to as the remote indicator) is mainly used in the fire alarm system requiring the bus connection, and can be used with the JTY-GM-TC5161 photoelectric smoke detector. When the installation position of the site detection equipment is not easy to observe the alarm state, it can cooperate with the remote indicator light to observe the alarm state easily, to remind the site staff to pay attention, so as to better control the site situation.

## 二. Character

1. Connect with the second line of connected testing equipment for convenient wiring on site;
2. Stable and reliable work, with good suppression ability of electromagnetic interference;
3. No coding, simple and easy to install and use.

## 三. Technical features

1. Operating voltage: DC12.6V~DC24V, with polarity
2. Operating current: 1.2mA~4mA
3. Indicator light: red: the work is often on
4. Use environment:

Type: indoor atmospheric pressure: 86kPa~106kPa

Temperature: 0°C ~ + 50°C relative humidity: ≤95%, non-condensing

5. Overall dimension: 86mm, 86mm 47mm
6. Shell material and color: ABS, white

## 四. Structural characteristics and working principle

The outline diagram of the remote indicator is shown in Figure 1:

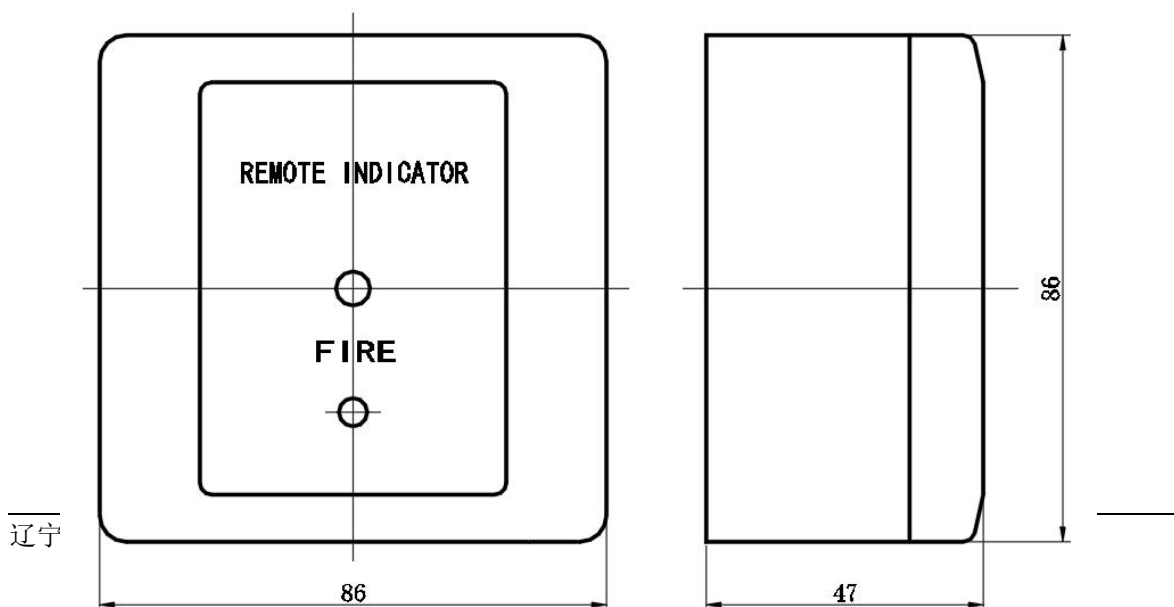


Figure 1 Outline schematic diagram of the remote indicator

1. working principle

After the remote indicator is connected to the detector:

When the equipment connected with the remote indicator is standby, the red indicator light on the remote indicator light panel is off;

When the equipment connected with the remote indicator light alarms, the red indicator light on the remote indicator light panel is always on;

五. Installing method

1. Before installation, first check whether the shell is intact and identification is complete.
2. Fixed method of the remote indicator: When installation, first fix the open box on the wall, and then fix the remote indicator on the open embedded box with two screws, and then install the panel cover, the panel installation hole distance is 60mm.

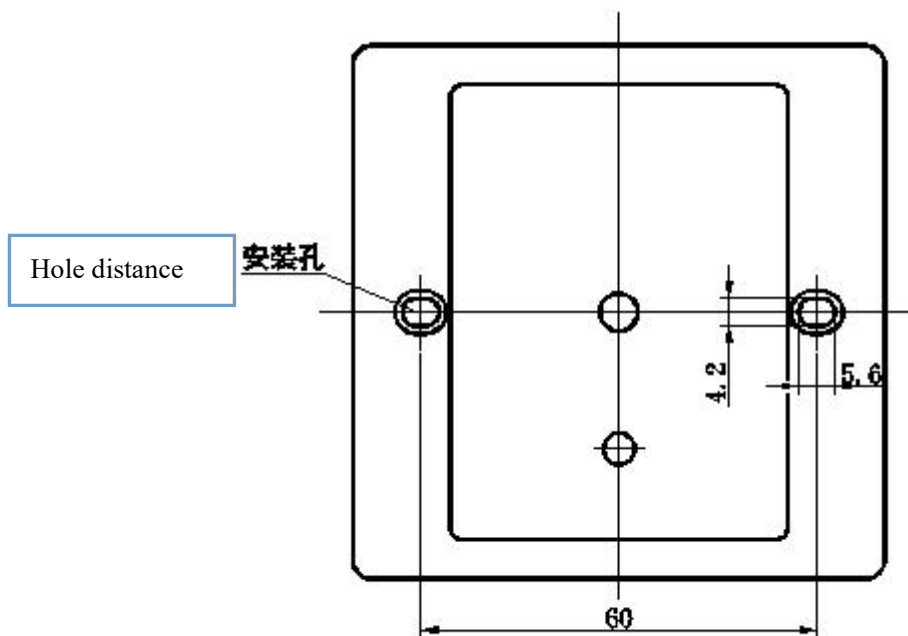


Figure 2 Installation dimensions of the remote indicator

2. Wiring instructions

V+ (2) : Remote indicator positive pole;

V- (4) : Remote indicator negative pole

## 六. Testing

1. Remote indicators shall be tested annually after installation and during use.
2. Start the test: After successful installation, choose a remote indicator to artificially meet the start conditions (please turn off the relevant linkage function to avoid unnecessary alarm linkage). After the test, re-power, and notify the relevant management department to return the system to normal.
3. The unqualified remote indicators during the test shall be solved according to the "general fault and maintenance".

## 七. Use and operation

After the installation of the remote indicator lamp and the connected detector is completed:

When the equipment connected with the remote indicator is standby, the red indicator light on the remote indicator light panel is off;

When the device connected with the remote indicator light alarms, the red indicator light on the remote indicator light panel is always on.

## 八. General faults and maintenance

General faults and their solutions are shown in the following table:

fault phenomenon	reason	Solve method
The remote indicator light is not red when the connection equipment alarms	1.Remote indicator lamp and connection equipment line fault 2.Power supply of the connection equipment is insufficient	1. Check the circuit for short circuit or open circuit 2. Check whether the output of the matching equipment can meet the working requirements of the remote indicator

## 九. Random documents and warranty instructions

1. Container documents: 1) PL: 1  
2) Instructions: 1 copy
2. Warranty description: Our company is responsible for the maintenance of this product. If any problems, please contact our technical service department in time. Users shall not open or repair it, otherwise they will be responsible for the consequences.
3. Maintenance contact information is as follows:

Liaoning Yingkou Tiancheng Fire Protection Equipment Co., Ltd

Address: No.11-2, Xili, Xicheng Bus Farm, Yingkou City, China (Liaoning)

Pilot Free Trade Zone

Zip code: 115004

Service hotline: 86-417-3553119

Email: [info@tcfiretech.com](mailto:info@tcfiretech.com)

Website: [www.tcfiretech.com](http://www.tcfiretech.com)