



Please read this Manual carefully before installing and using the product .

# C9069L Remote Indicator

## 1 Product overview

- (1) The C9069L Remote Indicator is a two-wire Remote Indicator . It can be used with our addressable detectors or conventional detectors. When the detector alarms, the Remote Indicator will be lit. Suitable for installing detectors on the ceiling. When a fire alarm occurs, the fire alarm information cannot be visually observed. The fire alarm signal of the detector is placed in a visible position through the remote indicator.



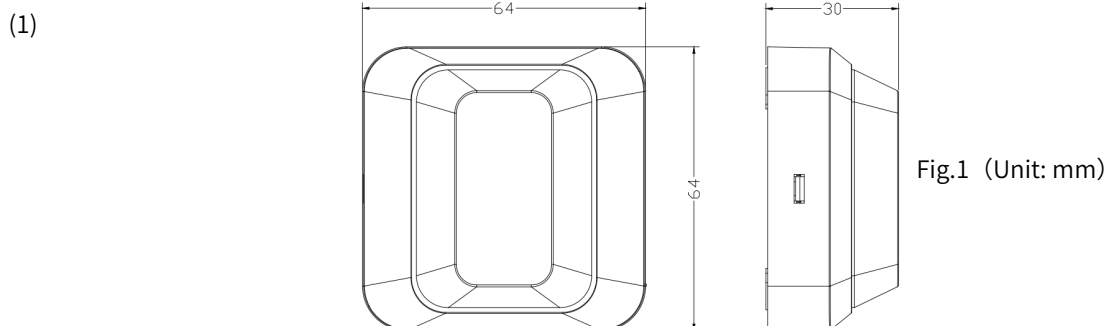
## 2 Product features

- (1) Designed with an top cover and a bottom cover, simple and convenient maintenance.
- (2) Non-polarity, two-cables connection that ensures convenient installation and maintenance.

## 3 Technical parameters

(1)	Item	Parameters
	Working voltage:	DC5V (allowance: DC4V ~ 5V)
	Working current:	Standby current: 0mA ; Alarm current: 1mA~30mA
	Wiring method:	non-polarity, two cables
	Operating environment:	Indoor, temperature: $-10^{\circ}\text{C}\sim+55^{\circ}\text{C}$ ; Relative humidity: $\leq 95\%$ ( $40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ , without condensation)
	Weight:	30g
	Dimensions	$64\times 64\times 30\text{mm}$ (L x W x H)
	Wiring Length	<30m

## 4 Appearance and dimensions



## 5 Use and engineering application

- (1) Terminal Wiring Definitions

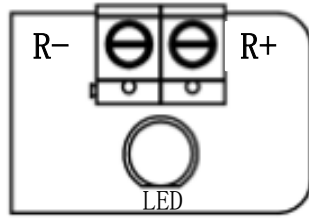


Fig 2

Definitions of terminals (non-polarity):

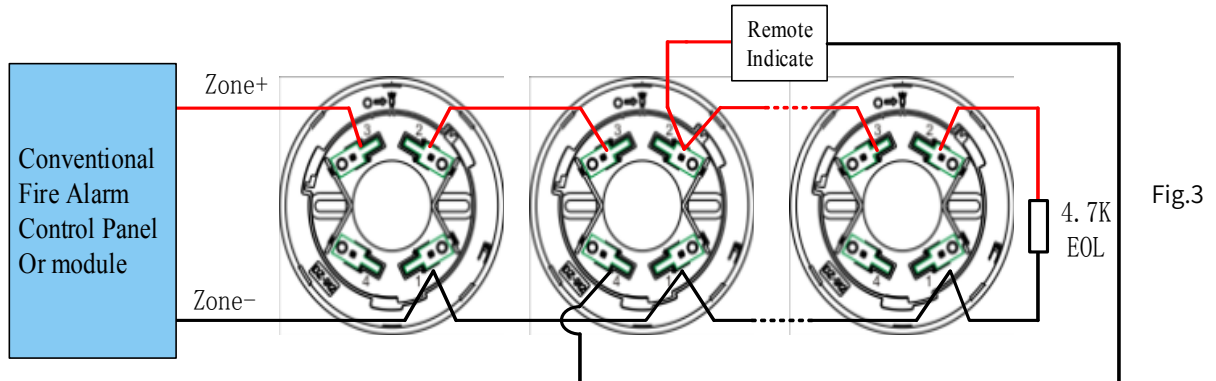
R+ – Signal terminal

R- – Signal terminal

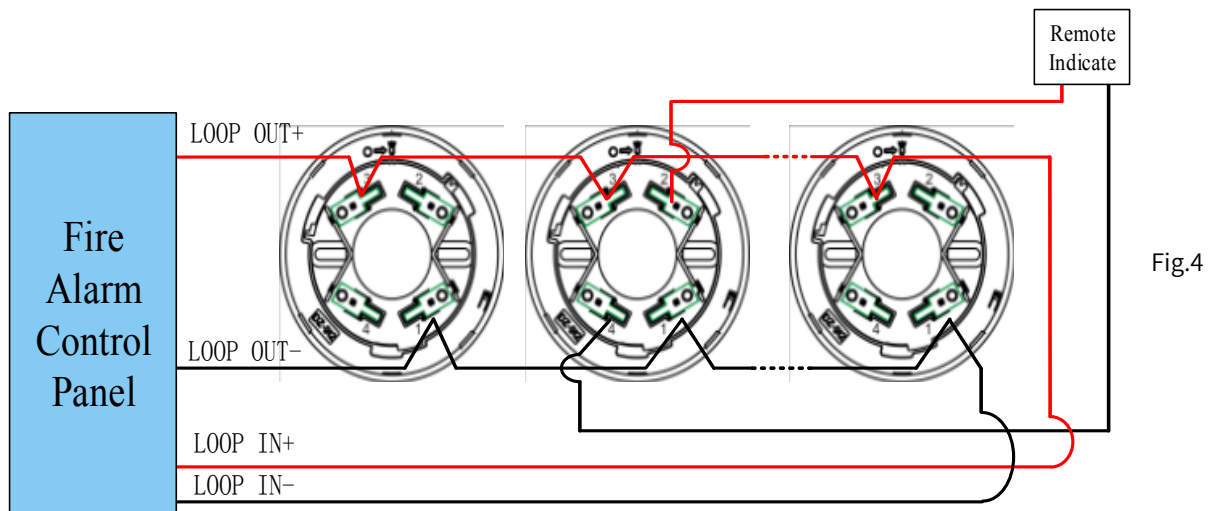
Notes:

1. Remote Indicator terminal R+/R- is connected to the 2/4 terminal of the detector base for non-polarity connection.
2. For conventional detector, if you need to match this Remote Indicator, the wiring sequence of the base needs to be connected according to the wiring method in the detector user manual.

- (2) Wiring Mode1: The indicator can connect with conventional detectors, System connection is shown as shown in Fig. 3.



- (3) Wiring Mode 2: The indicator can connect with addressable detectors, System connection is shown as shown in Fig. 4.



## 6 Installation and debugging

The installation of the detector requires the use of matching base. Supporting base as shown in Figure 4, the external dimensions of 64mm × 64mm, the diameter of the fixed hole  $\Phi 4$ mm, the fixed hole spacing of 38mm ~ 46mm.

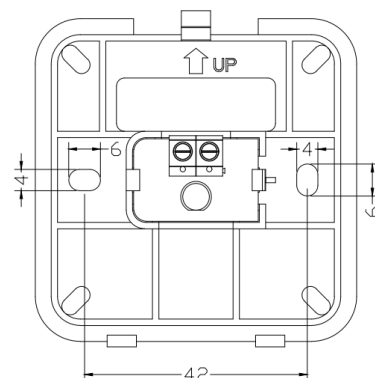


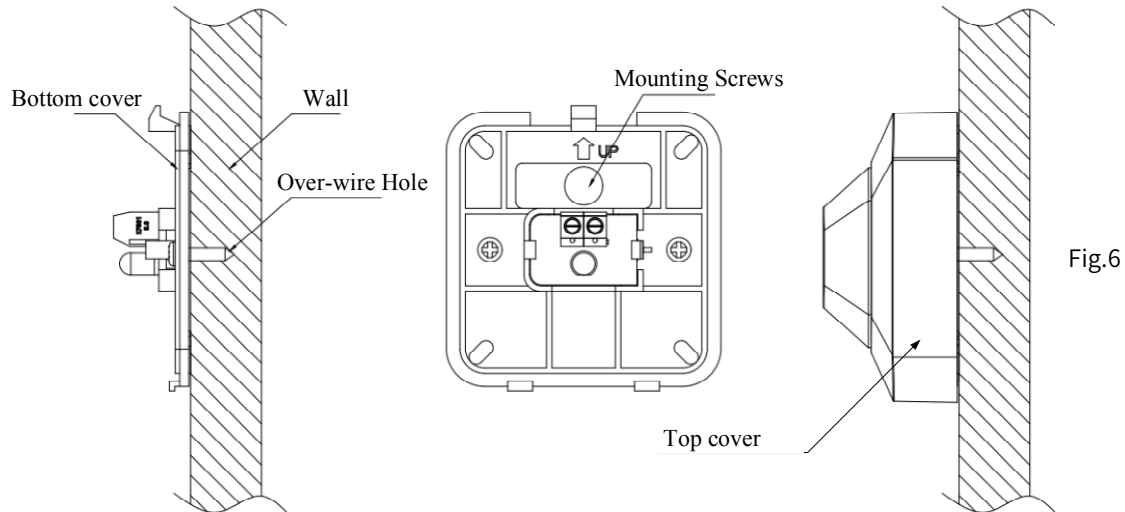
Fig.5

Wiring requirement: It is recommend to use RVS twisted pair with a cross-sectional area of  $\geq 1.0 \text{ mm}^2$ .

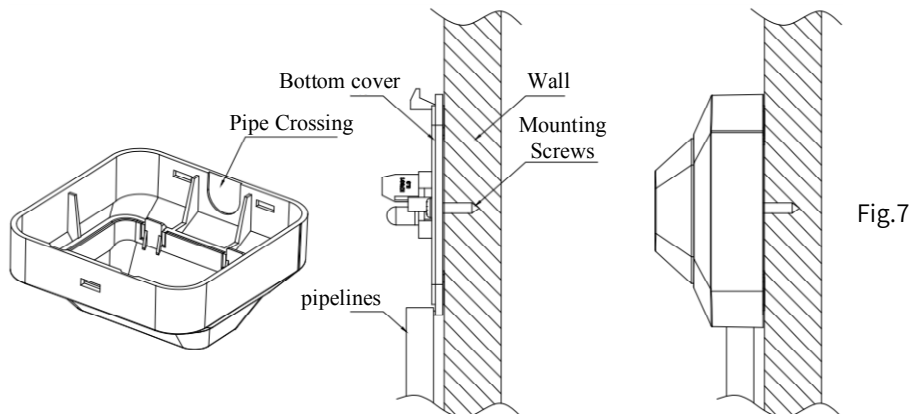
The remote indicator should be surface-mounted and embedded-mounted. When the cable conduit is on the surface, the



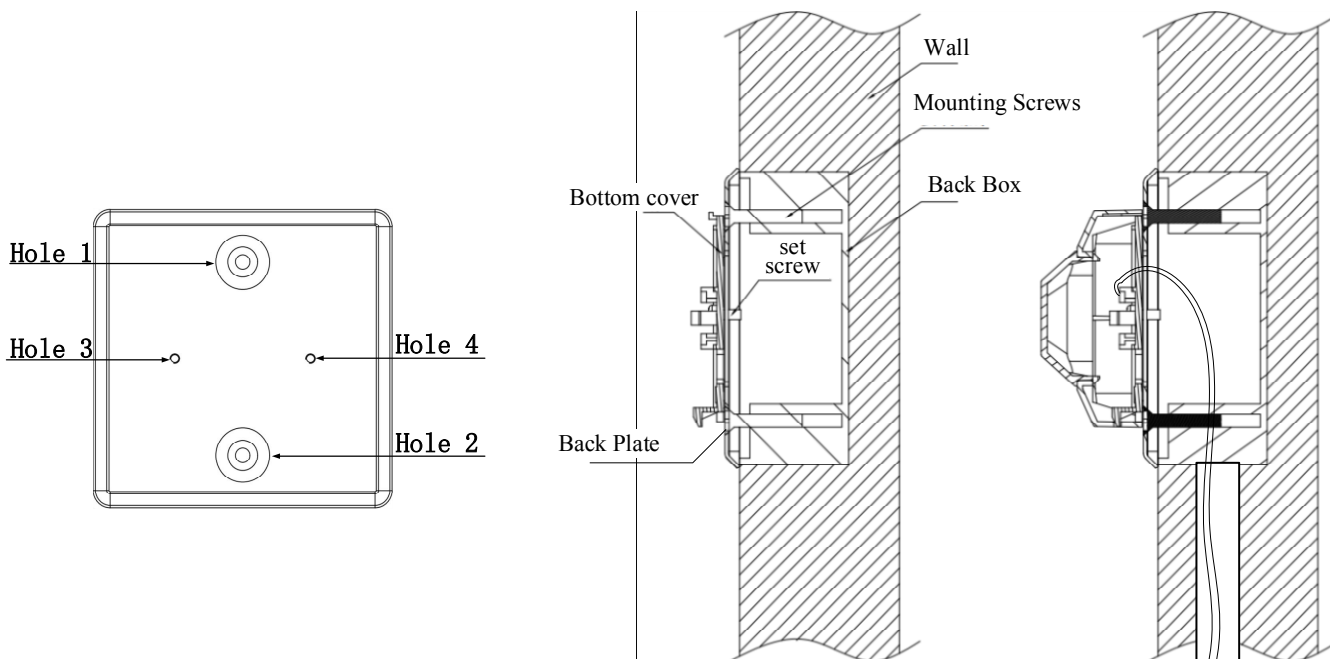
indicator is installed directly on the wall, as shown in Fig. 6&Fig.7.



As shown in Fig. 6, Remove the bottom cover first, and then fix the bottom cover to the wall, drill a threading hole on the wooden wall at the opening of the bottom cover and connect the wires, fasten the top cover onto the bottom cover at last.



As in Fig. 7, remove the upper shell and use diagonal pliers to cut off the pipeline conduit first,, and finally snap the top cover onto the bottom cover.



When the cable conduit is embedded, the indicator needs the help of back plate shown as Fig. 8 to fix on the back box together. Among, hole 1 and 2 are used to install the plate and the back box. Hole 3 and 4 are used to assembly the plate



and remote indicator. The embedded mounting is shown in Fig. 9

#### Installation and commissioning steps

- According to the construction drawings, through the installation method shown in the above figure, the Remote Indicator is fixed in the specified position to confirm that it has been installed securely;
- Correctly connect the signal wire from the Remote Indicator to the detector;
- After the detector is normally powered on, conduct an alarm test on the detector. After the detector reports a fire alarm, observe whether the Remote Indicator is normally lit, indicating that the Remote Indicator has been connected normally;
- Restore the detector to its normal monitoring state after the test and the Remote Indicator will go out.

#### 7 Fault analysis and troubleshooting

(1)	Failures	Causes	Methods	Remarks
	The detector reported a fire alarm and the door light didn't come on.	Incorrect wiring connection	Check wiring	
		Internal circuit is broken	Return to the manufacturer for repairs	



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