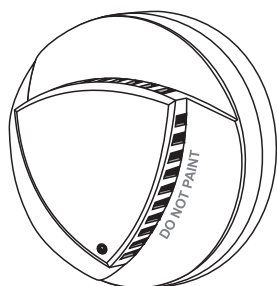


PRODUCT FACE



PRODUCT INTRODUCTION

This product named Photoelectric smoke and heat detector (hereinafter called detector) detects smoke by a couple of infrared diodes, includes a built-in +57 °C heat detector. The principle of detecting is granules in smoke can reflect infrared light. Infrared diodes are placed in the special chamber. The chamber can shield external light, but doesn't affect the smoke into it. While there is no smoke, the diode can receive very weak infrared light. When the smoke entering the chamber, diode can receive more and more light, and the detector can give out alarm signal when the smoke attains the certain density. In order to reduce the interference and lower power consumption, the emitting circuit adopts the pulse signal. The product in accordance with the networking approach is divided into 2wire and 4wire detectors.

TECHNICAL SPECIFICATION

PRODUCT CATEGORY	2wire	4wire
OPERATING VOLTAGE	DC 9V~35V	
STANDBY CURRENT	20uA	4mA(relay N.O.) 13mA(relay N.C.)
ALARM CURRENT	35mA@DC12V 83mA@DC 24V	19mA(relay N.O.) 9mA(relay N.C.)
ALARM INDICATION	RED LED ON	
TEMPERATURE RANGE	-10°C ~ +50°C	
ALARM TEMPERATURE	135°F(57 °C)	
ALARM OUTPUT	REMOTE LED	RELAY OUTPUT
CONTACT RATING	N/A	0.5A@DC28V
SENSITIVITY	2-4% obs/ft	
STANDARD	EN54-7/UL268	
DIMENSION	100 mm diameter*46mm deep	

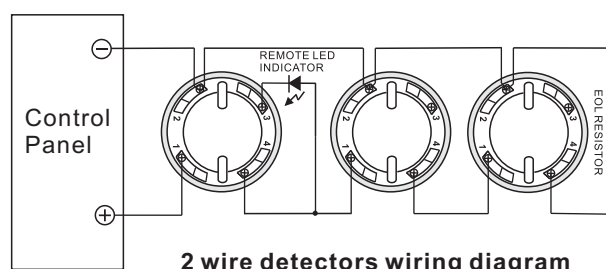
CONNECTION DESCRIPTION

- 2wire smoke detectors: base terminals "1" and "2" for DC power input , non-polarized. "1" for DC power positive pole or cathode input. "4" for DC power positive pole or cathode output. "3"for remote indicator cathode. When remote indicator is used, "1" in must be connected to the positive input line.
- 4wire smoke detectors: base terminals "1" and "2" for DC power input, non-polarized. "3" for relay output com. "4" for relay output N.C. or N.O.

PRODUCT FEATURE

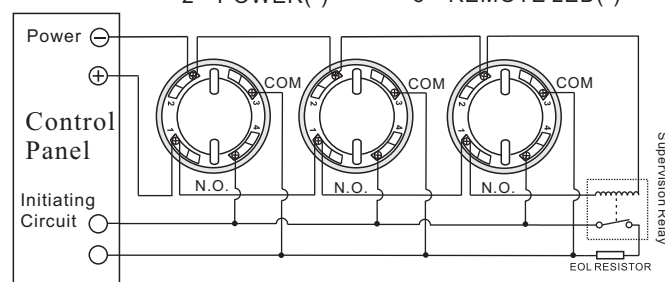
- STRONG ADAPTABILITY FOR CIRCUMSTANCES
- SMT DESIGN, HIGH STABILITY
- 9-35V DC WIDE VOLTAGE OPERATING RANGE
- LOW STANDBY CURRENT
- POWER SUPPLY NON-POLARIZED INPUT
- FLASHING LED POWER INDICATOR
- REMOTE LED INDICATOR OUTPUT(2-WIRE)
- METAL SHIELD, ANTI-ELECTROMAGNETIC INTERFERENCE

WIRING DIAGRAM



2 wire detectors wiring diagram

- | | |
|--------------|-----------------|
| 1 POWER(+)IN | 4 POWER(+)OUT |
| 2 POWER(-) | 3 REMOTE LED(-) |



4 wire detectors wiring diagram

- | | |
|-----------------|---------------------|
| 1 ANODE INPUT | 3 RELAY OUTPUT(COM) |
| 2 CATHODE INPUT | 4 RELAY OUTPUT(N.O) |

NOTICE

- The detector can not be installed under worse environments, e.g. extreme cold, hot, dusty etc. places. Do not remove the dustproof cover before using.
- No block within a 0.5m radius from the detector.
- Keep the distance between detector and wall more than 0.5m.
- Make sure the distance between detectors be less than 15m. And the distance between detector and corner must be less than half of the distance between detectors.
- Horizontally install the detector. If have to be installed slantingly, please keep the angle less than 45 degrees.
- Make the base fixed firmly and all wires connection right.
- Pls test the detector every three months.
- For various reasons, including, but not limited to changes in environmental conditions, electric disruptions and tampering, the product may not perform as expected. Besides using this detector property, pls enhance vigilance and take necessary protective measures.