

FIXED TEMPERATURE HEAT DETECTOR

PRODUCT FACE



PRODUCT INTRODUCTION

This product named fixed temperature heat detectors (hereinafter called detector) is suited to virtually any commercial. The detector responds in alarm if the temperature goes above the trip point. This unit is made up of an externally mounted thermistor with a specially designed cover that protects the thermistor while allowing maximum air flow. The thermistor reads the temperature from the air it takes in. It then transmits a signal representing the temperature to the panel. If the temperature exceeds the trip point, an alarm occurs. The status LED lights during the alarm period. The detector is suitable for detecting the heat in house, shop, hotel, restaurant, office, building, school, bank, library and etc.

TECHNICAL SPECIFICATION

PRODUCT CATEGORY	2wire	4wire
OPERATING VOLTAGE	DC 9V~35V	
STANDBY CURRENT	55uA@DC24V	
ALARM CURRENT	25mA@DC12V 55mA@DC24V	23mA@DC12V 25mA@DC24V
ALARM INDICATION	RED LED ON	
TEMPERATURE RANGE	-10 °C ~ +50 °C	
HUMIDITY	0%~95 % RH(NO CONDENSATION)	
ALARM OUTPUT	REMOTE LED	RELAY OUTPUT
CONTACT RATING	N/A	0.5A@DC28V
ALARM TEMPERATURE	135 °F (57 °C)	
STANDARD	GB4716/EN54-5/UL521	
DIMENSION	100mm diameter*52mm deep	

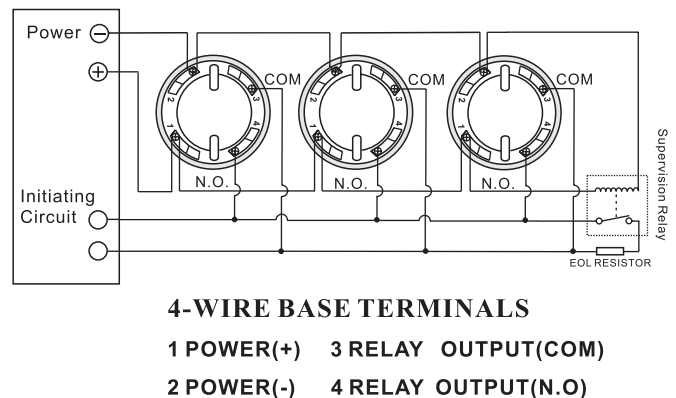
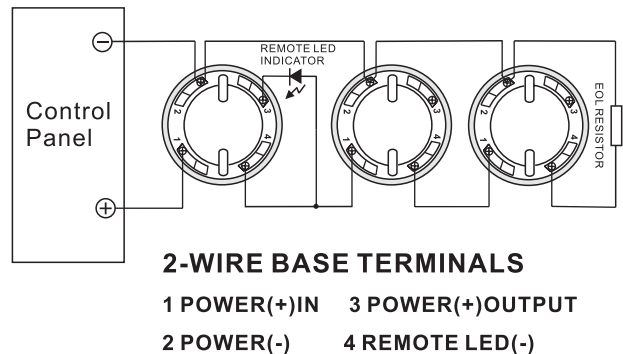
CONNECTION DESCRIPTION

- 2 wire 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 line in .
- 4 wire 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

- SMT ADOPTED, HIGH STABILITY
- LOW STANDBY CURRENT
- ANTI-RFI&ANTI-EMI
- 9~35VDC WIDE VOLTAGE
- POWER SUPPLY NON-POLARIZED INPUT
- DUEL LED FOR 360 ° VISIBILITY
- REMOTE LED INDICATOR OUTPUT(2-WIRE)
- FIXED TEMPERATURE 135 °F (57 °C)

WIRING DIAGRAM



PRODUCT TEST

Simulate the environment to test the detector: put the detector into a chamber with thermometer, use heat-creation equipments to raise the temperature of the air. If the LED continuously red light, and have alarm signal output to control panel, this mean the detector is ok.

NOTICE

1. The detector can not be installed exposed to the sunshine, or the source of heat.
2. Suggest to install the heat detectors nearby smoke detector
3. Make the base fixed hard, and the wires connection well.
4. In order to ensure the normal work of detectors, detectors should be to maintain the supply of power, it is proposed should be carried out every six months a simulated fire test, the test detectors are working properly.