FIXED TEMPERATURE HEAT DETECTOR

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.

PRODUCT PROFILE

PRODUCT FEATURE

- ● SMT ADOPTED, HIGH STABILITY
- ● LOW STANDBY CURRENT
- ● ANTI-RFI&ANTI-EMI
- ● 9~35VDC WIDE VOLTAGE
- ● DUEL LED FOR 360°VISIBILITY
- ● REMOTE LED INDICATOR OUTPUT(2-WIRE)

TECHNICAL SPECIFICATION

OPERATING VOLTAGE ： DC9~35V

STATIC CURRENT ： 2-Wire ≤ 55uA

4-Wire ≤ 50uA

ALARM CURRENT ： 2-Wire ≤ 25mA(DC 12V)

2-Wire ≤ 54mA(DC 24V)

4-Wire ≤ 23mA(DC 12V)

4-Wire ≤ 25mA(DC 24V)

ALARM OUTPUT: 2-Wire Remote Indicator On

4-Wire Relay Output

CONTACT RATING:4-Wire 0.5A@DC28V

TEMPERATURE TRIP POINT: 135℉ (57 ℃)

OPERATING TEMPERATURE:-10 ℃ ~+50 ℃

OPERATING HUMIDITY : ≤ 95 ％ RH

ALARM INDICATION: LED continuously emitting red light

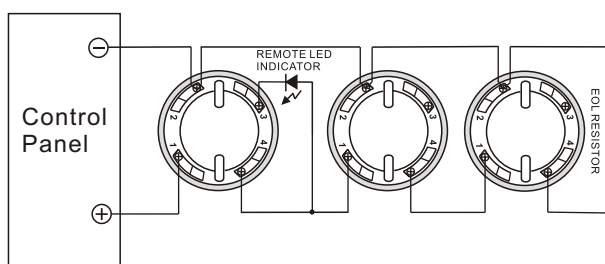STANDARD: EN54-5 Ul521 GB4716-2005

DETECTING RANG:50 square meter with the installation height of 6m-12m

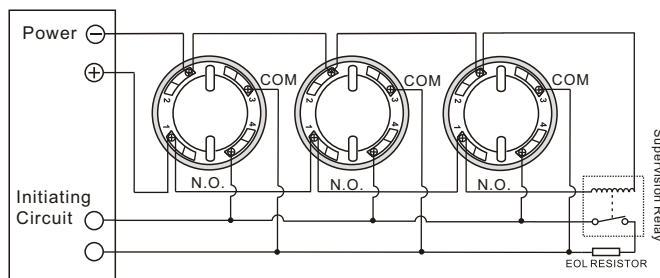DIMENSION SIZE : φ 100 mm dia.*55mm deep

INSTALLATION

1. Connect the wires to the mounting base

2. Select proper place (normally mounted on the center of the ceiling) , fix the mounting base, then put the detector into the base and turn it.

WIRE DIAGRAM

2-WIRE BASE TERMINALS

1.ANODE INPUT   3.REMOTE LED OUTPUT

2.CATHODE INPUT   4.ANODE OUTPUT

4-WIRE BASE TERMINALS

1.ANODE INPUT   3.RELAY OUTPUT(COM)

2.CATHODE INPUT   4.RELAY OUTPUT(N.O)

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. Pls test the detectors every three monthes.