PHOTOELECTRIC SMOKE DETECTOR
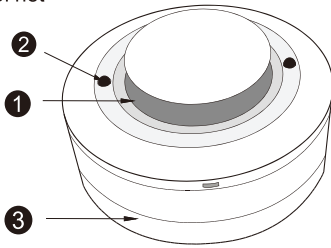
GENERAL VIEW

1 Insect-proof net
2 LED
3 Base

This product is a photoelectric smoke detector which runs by detecting smoke particles. Adopted special structure design, and photoelectric signal processing technique, it has the functions of dustproof, mothproof, and anti-electromagnetic interference, the stability of the product is assured from the above. It performs well in detecting visible smoke caused by hidden or bright fire. It's suitable for detecting smoke in houses, stores, hotels, and warehouses, etc.

TECHNICAL SPECIFICATION

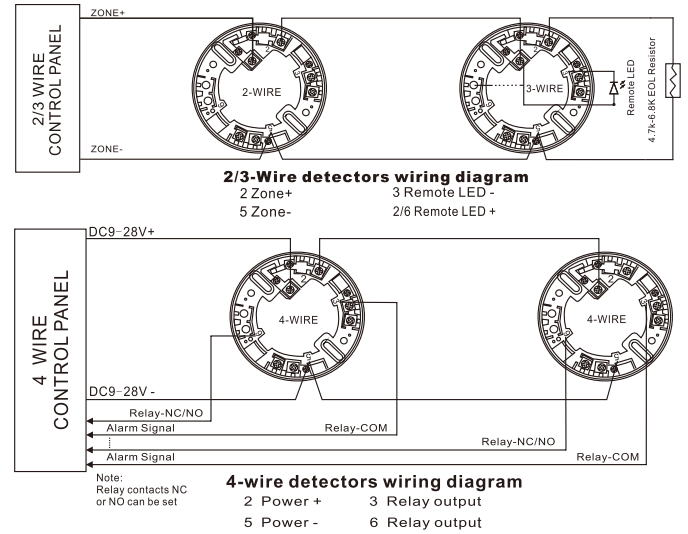| Input voltage	DC 9-28V	Detecting Area	60㎡ (with 4 meters height)
Static Current	30±5μA (at DC 24V)	Alarm Reset	Power off reset / Auto reset
Alarm Current	50±5mA(at DC 24V)	LED Indicator	Detecting: Green LEDs flash
Operating Temperature	-10℃ —+55℃		Alarm: Red LEDs ON
Operating Humidity	≤95％RH	Sensor Type	Infrared photoelectric cell
Installation Method	Ceiling mounted	Sensitivity	m=0.15±0.03dB/m

WIRES INSTALLATION

All the wires installation must accord with national and local effective laws and criteria. All wires must have the suitable size and the wires connecting detectors and other devices must have colorful marks for avoiding connecting error. And unsuitable connection will lead to alarm error when fire happens.

INSTALLATION

1. Choose a suitable position to install the detector, normally on the ceiling of the center detecting area, fix the detector base on the selected position by screws, then set the detector on it, rotate and check whether it is firm.
2. Please connect the wires correctly as required.

WIRES INSTALLATION DIRECTION

2/3-Wire detectors wiring diagram
2 Zone+   3 Remote LED -
5 Zone-   2/6 Remote LED +

4-wire detectors wiring diagram
2 Power +   3 Relay output
5 Power -   6 Relay output

Note:
Relay contacts NC or NO can be set

1. Install the detector as figure 1
2. Fasten the base on the ceiling by screws
3. Aim the indicated sign of detector at that of base, then tighten the detector by clockwise rotation.
4. Before installation, please make sure to clean up the building wastes and dust in the installation area.
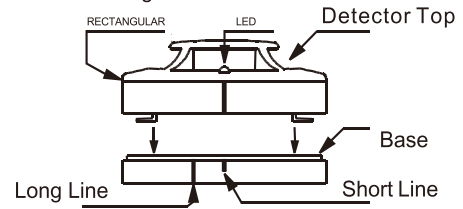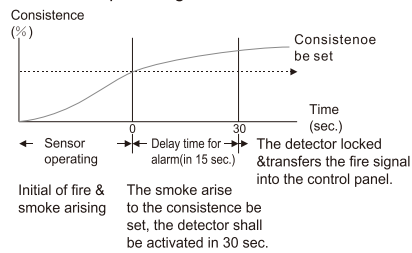
Open the Rectangle here

Figure 1: Install the detector on the base

TESTING

Detector operating chart

Consistence (%)

Consistence be set

Time (sec.)

Sensor operating

Delay time for alarm(in 15 sec.)

The detector locked &transfers the fire signal into the control panel.

Initial of fire & smoke arising

The smoke arise to the consistence be set, the detector shall be activated in 30 sec.

1. Connect power supply, the detector gets into normal detecting state directly.
2. Blow a little smoke directly into the detector. While detecting smoke, the LED lights, current increases to 50MA.The detector will resume into normal detecting state when the smoke dispelled.

NOTICE

1. The product should not be installed in the extreme hot or cold, high wind speed surroundings and in the conditions where there is often a lot of smoke or dust.
2. The detector needs to be tested once every month.
3. To ensure its normal performance, please clean the detector surface with soft brush once every six months. Do cut off the power before cleaning.
4. If the detector is found to be defective, do not attempt to dismantle it by yourself. Please contact the After Service Center or the distributor for professional servicing.
5. The product can reduce the possibility of accidents, but it can not guarantee absolute safety. Besides using this product correctly, the user is advised to take all necessary precautions for safety and enhance safety consciousness in daily life.