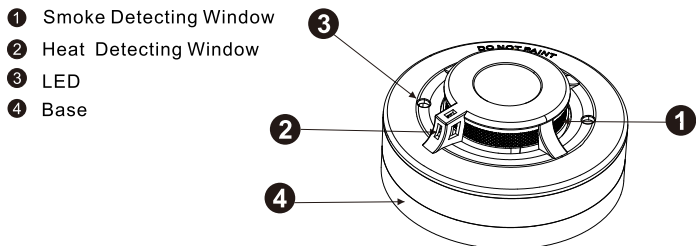


INSTRUCTION

SMOKE AND HEAT DETECTOR

GENERAL VIEW



This product composed of photoelectric smoke sensor and NTC heat sensor. It provides not only features of point photoelectric smoke detector, but also fixed temperature/rate-of-rise detector, which can reliably response to national standard test fire SH3 (PU plastic fire) and SH4 (n-heptane fire). The detector can also detect naked flame generated by alcohol burning and make alarms. It's applicable to indoor detecting circumstances, such as stores, houses, hotels, warehouses, etc.

TECHNICAL SPECIFICATION

Input Voltage	DC 12-35V	Max. Electrify Capacitance	0.03uF
Static Current	≤50uA (DC 12-35V)	Electrify time	≤60s
Alarm Current	≤30mA	Alarm Reset	Auto reset (Power off reset ≤0.5s optional)
Operating Temperature	0°C ~ +55°C	Installation	Ceiling mounted
Operating Humidity	10%-95%RH (Non coagulating)	Detecting area	60m ² (with 4 meter height)
Detecting Sensitivity (Response threshold)	m=0.15dB/m(Cotton wicks smoldering test)		
Alarm Temperature	57°C / 137°F or 8-15°C/Min (Rate-of-Rise)		

WIRES INSTALLATION

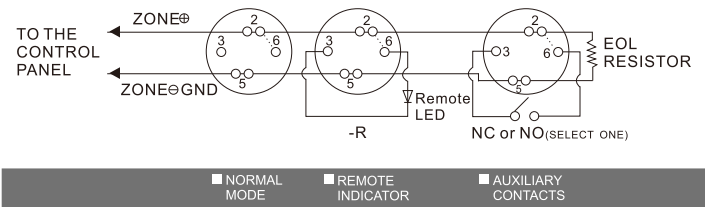
All the wires installation must accord with national and local effective laws and criteria. All wires must have the suitable size and the wires connecting detectors and other devices must have colorful marks for avoiding connecting error. And unsuitable connection will lead to alarm error when fire happens.

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 head on it, rotate and check whether it is firm.
2. Please connect the wires correctly as required.

WIRES INSTALLATION DIRECTION

BASE WIRING INFORMATION



INSTALLING THE HEAD

1. Align the components as shown in Figure 1.
2. Mate the detector head onto the base and twist clockwise to secure it.
3. Do not stall the detector head until the area is thoroughly cleaned of construction debris, dust, etc.

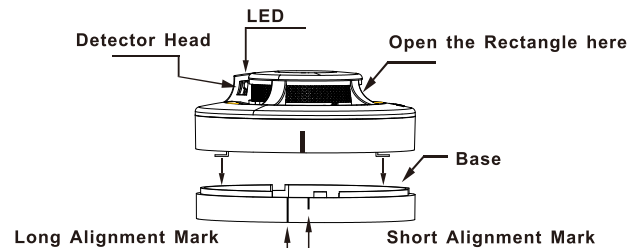
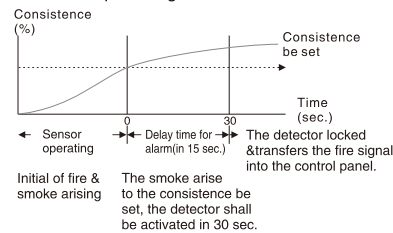


Figure 1: Mating the detector onto base

TESTING

Detector operating chart



1. With power on, the detector gets into normally detecting state, green LED flashes.
2. Blow the smoke into detector directly. While detecting smoke, red LED lights, relay activate.
3. Use the heat source over 58°C close to the detector, detector gets into alarm state, red LED lights, and relay activate.

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.