

PRODUCT INTRODUCTION

This product named Photoelectric detector(hereinafter called detector) detects the smoke by a couple of infrared diodes. The principle of detecting is granule in the smoke can reflect infrared light. Infrared diodes are placed in the special chamber. The chamber can shield external light, but don't affect the smoke into it. While have no smoke, the diode can receive very weak infrared light. When the smoke entering the chamber, diode can receive more and more light, when the smoke attains the certain density, the detector can give out alarm signal. In order to reduce the interference and lower power consumption, the emitting circuit adopts the pulse signal. The detector adopts the special structure design and ASIC, has the dustproof, mothproof and anti outside light interference feature and etc. The detector is suitable for detecting the smoke in house, shop, hotel, restaurant, office building, school, bank, library, computer house, storehouse and etc.

PRODUCT PROFILE



- ① LED INDICATOR
- ② DUSTPROOF MESHWORK
- ③ LIGHT LABYRINTH
- ④ MOUNTING BASE

PRODUCT FEATURE

The detector has relay output N.C. and N.O. optional, it carries out by changing the mini jumper location on the PCB. The detector works once connected to DC power directly. LED Indicator flashes every 9 seconds, when the detector work normally; when alarms, LED indicator is on, and the detector send out the signal.

- INFRARED PHOTOELECTRONIC SENSOR
- AUTO RESET OR RESET BY POWER OFF
- INTELLIGENT LOGIC CONTROL
- NETWORK OUTPUT/ LED INDICATING ALARM
- ANTI-LIGHT , MOTHPROOF , DUSTPROOF
- STRONG ADAPTABILITY FOR CIRCUMSTANCE
- SMT DESIGN, HIGH STABILITY

- RELAY OUTPUT N.C.AND N.O. OPTIONAL
- STAIN STEELSS SHIELD,ANTI-RFI(20V/m-1GHz)

TECHNICAL SPECIFICATION

OPERATING VOLTAGE : DC 12V

CONSUMPTION CURRENT : $\leq 15\text{mA}$

ALARM INDICATION: RED LED ON

OPERATING TEMPERATURE: $-10\text{ }^{\circ}\text{C} \sim +50\text{ }^{\circ}\text{C}$

OPERATING HUMIDITY : $\leq 95\% \text{ RH}$

ANTI-RFI: 10MHz-1GHz 20V/m

DETECTING AREA: 80 square meter(with the installation height of 6m-12m), and 60 square meter (with the installation height less than 6m)

ALARM OUTPUT : Relay output NC or NO, DC28V, 100mA

RESET MODE: auto-reset or reset by power off

DIMENSION SIZE : 104 mm dia.*51mm deep

INSTALLATION

1. Connect the power line and signal line to the mounting base(1 for +12V contact, 2 for cathode, 3 and 4 for alarm output contact)
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.

NOTICE

1. The detector can not be installed under worse environment. E.g. coldest, hottest, dusty, do not move away the dustproof cover untill use the detector indeed.
2. Make sure that there is no block within 0.5m from detector.
3. Keep the distance between detector and source of wind flow more than 1.5m.
4. Keep the distance between detector and wall more than 0.5m.
5. Make sure the distance between detectors be less than 15m. And the distance between detector and corner must be less than half of the one between detectors.
6. Horizontally install the detector. If have to be installed slantingly, please keep the angle less than 45 degrees)
7. Please clean the detector by soft brush per six monthes to ensure the sensitivity and life of product. Pay attention to switch off power before clean.
8. For various reason, including, but not limited to changes in environmental conditions, electric disruptions and tampering, the product may not perform as expected. The user is advised to take all necessary precautions for his/her