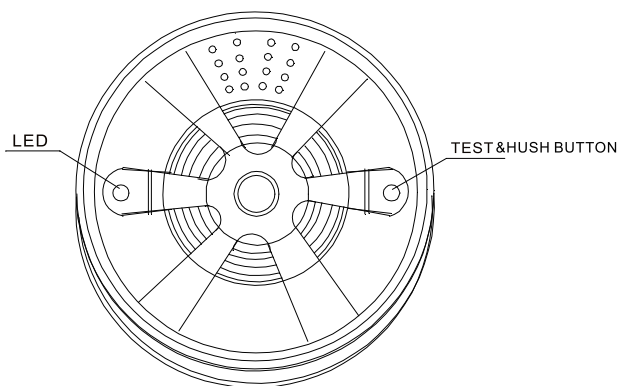


USER MANUAL FOR PHOTOELECTRONIC SMOKE DETECTOR

PRODUCT INTRODUCTION

This product named Photoelectric detector(hereinafter called detector) refracts infrared light by a couple of particulate matter. Infrared diodes are placed in the special chamber. The chamber can shield external light, but don't affect the smoke getting into it. when 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, has the dust proof, moth proof and anti outside light interference feature etc. The detector is suitable for detect the smoke in house, shop,hotel, restaurant, office building, school, bank, library, computer house and storehouse etc.

PRODUCT PROFILE



PRODUCT FEATURE

2-wired	4-wired
● power off reset	● power off reset/Auto-reset
● —	● Alarm output N. C. /N. O.
● Non-polarity power input	
● intelligent logical control to reduce mis-alarm	
● Network output / LED indication	
● MCU Control	
● SMT technology	
● dust proof、 insect-proof、 Anti-visible light	

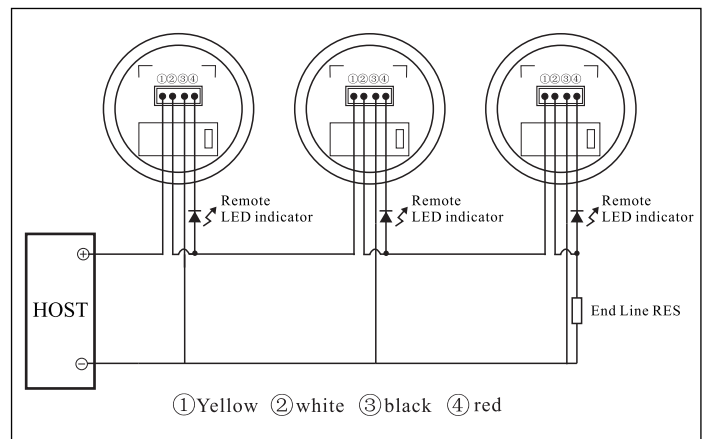
TECHNOLOGY PARAMETER

Product category	2-wired	4-wired
operating voltage	DC9-35V	
Standby Current	≅ 25uA(DC12V)	≅ 15mA(N.C.) DC12V ≅ 2mA(N.O.) DC12V
alarm current	≅ 40mA(DC24V) ≅ 20mA(DC12V)	≅ 8mA(N.C.) DC12V ≅ 20mA(N.O.) DC12V
Alarm Indication	Red led turns on	
Working temperature	-10℃~+50℃	
Ambient humidity	≅ 95RH(No condensation)	
Monitoring area	When the height is 6m to 12m, the monitoring area is about 60 square metres;when the height is below 6m, the monitoring area is about 40 square metres.the detailed parameter is complied with GB50116-98.	
Size	Φ106mm*59mm	

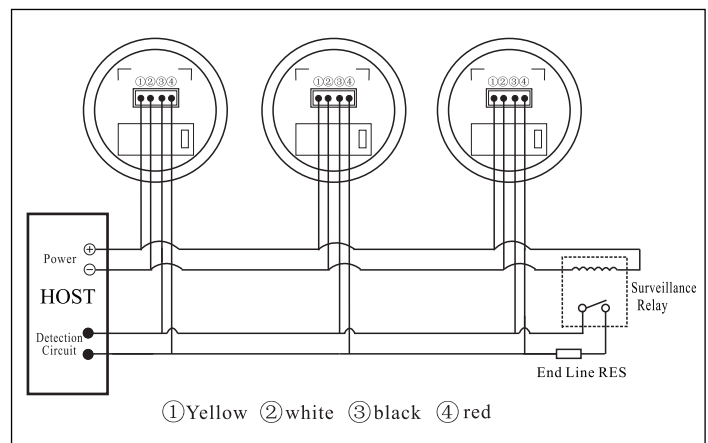
INSTALL AND TEST

- 1.Before power on, connecting wires according to the diagram:
- a.2wired detector will be on normal work directly.The indicator light will keep on when in alarm status, otherwise it will flash every 8 seconds.
- b.4wired detector will be on normal work directly.The indicator light will keep on when in alarm status meanwhile with relay output. otherwise it will flash every 8 seconds.
- 2.Selecting a proper position,we usually install the detector on the central ceiling of the detected space. Fixing the foundation on the ceiling by screw, rotating and fix the detector into the foundation.
- 3.You can conduct a test by blowing-in smoke to check whether the detector is on normal work. The detector will automatically reset to the normal state of detection when the smoke disperses.

CONNECTION SCHEMATIC DIAGRAM



2-wired connection schematic diagram



4-wired connection schematic diagram

NOTICE

- 1.Sensitivity testing is recommended once a month to ensure the detector in a normal working condition .
- 2.Cleaning the dust around the chamber with a soft brush every six months to ensure the detection's sensitivity, cut off the power when cleaning.
- 3.Taking out the battery if no use for a long time.
- 4.Detector can reduce the rate of the disaster, but not 100%.In the consideration of safety, please using the detector correctly and increasing the vigilance , safety awareness and taking protective measures.