www.heimantech.com

Photoelectric Conventional Smoke Detector

HM-613PC Series

MODEL:HM-613PC-2

1138a/04 0832-CPR-F0207
Standards tested to:
EN54-7:2000 + A1:2002 + A2:2006

MODEL:HM-613PC-4

1138a/03 0832-CPD-2030
Standards tested to:
EN54-7:2000 + A1:2002 + A2:2006

Features

- Photoelectric sensing chamber
- Power supply non-polar input
- MCU processing, eliminate false alarm
- Compatiable with general fire alarm control panel
- Strong adaptability for circumstance
- Twin LED flash in standby indicating normal operating
- 360° field viewing angle of the visual alarm LEDs
- Remote LED indicator output (2-wire)
- Metal shield in chamber, anti-electromagnetic interference
- SMT design, high stability

LIMITED 2 YEAR WARRANTY

PHOTOELECTRIC

HEIMAN®

Conventional Network Smoke Detector

Description

The HEIMAN HM-613PC series smoke detectors are photoelectric smoke detectors with options of 2-wire model and 4-wire model. The smoke chamber using the principle of smoke particles reflecting infrared lights can accurately detect early smoke of a fire. The smoke detector will go into alarm when signal level exceeds the alarm threshold and send the alarm signal to the control panel. During an alarm event, the LED will constantly bright.

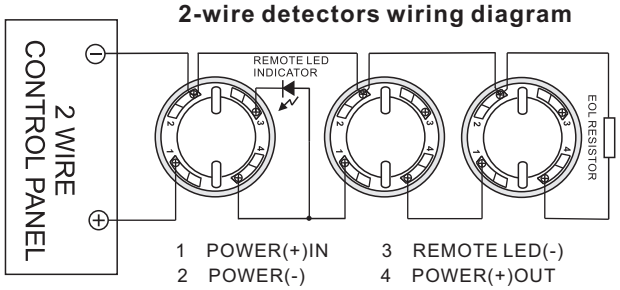
The HEIMAN HM-613PC series smoke detectors is new high-tech products, with excellent stability, high sensitivity and long life time. This unit is convenient to install and use, uses low power and compatiable with general fire alarm control panel.

Technical Specifications

PRODUCT CATEGORY	HM-613PC-2 2-wire	HM-613PC-4 4-wire
OPERATING VOLTAGE	DC 10V~30V	
STANDBY CURRENT	20uA	4mA(relay N.O.) 13mA(relay N.C.)
ALARM CURRENT	35mA@DC12V 83mA@DC 24V	19mA(relay N.O.) 9mA(relay N.C.)
ALARM INDICATION	RED LED ON	
TEMPERATURE RANGE	-10 ℃ ～ +50 ℃	
HUMIDITY	0%~95 % RH(NO CONDENSATION)	
ALARM OUTPUT	REMOTE LED	RELAY OUTPUT
CONTACT RATING	N/A	0.1A@DC28V
STANDARD	EN54-7:2000 + A1:2002 + A2:2006 / UL268	
DIMENSION	100 mm diameter*46mm deep	

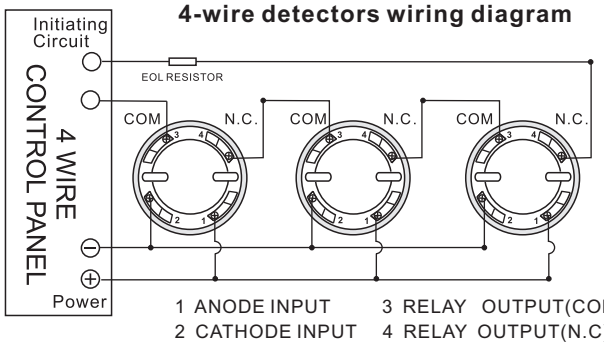
Wiring

2-wire detectors wiring diagram



1 POWER(+)IN 3 REMOTE LED(-)
2 POWER(-) 4 POWER(+)OUT

4-wire detectors wiring diagram



1 ANODE INPUT 3 RELAY OUTPUT(COM)
2 CATHODE INPUT 4 RELAY OUTPUT(N.C)