

Series 700 PTH

MODEL: AS-707-PTH

This Multi-Detector device houses an optical sensing chamber that detects smoke, as well as fixed temperature. The detector analyzes data from both sensors to determine when an alarm is initiated. It is capable of performing comprehensive self diagnostics and storing the results. The detector provides a LED that shows the status. The Multi detector combines the suitability of optical sensing for slow burning fires with the sensitivity of fixed-temperature detection for fast flaming fires to arrive at a solution that responds reliably to the widest range of fire types. A sophisticated algorithm processes data from both sensors over time so that an alarm is only reported when conditions precisely match the signature of a fire. This eliminates the shortcomings of Dual-sensor optical and heat detection, and significantly reduces the risk of nuisance alarms.



Features

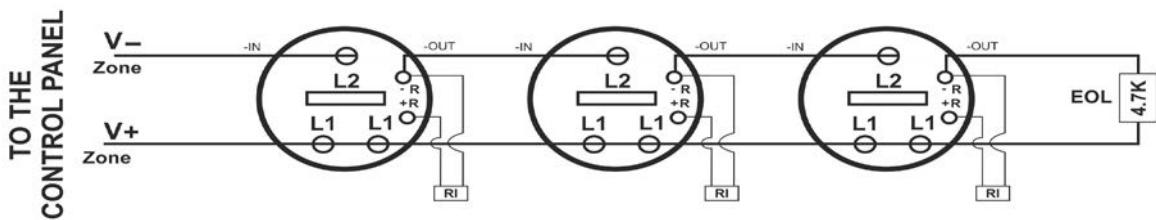
- Easy installation and maintenance
- Sleek low-profile housing design.
- Algorithm map for faster detection and discrimination
- Built-in Remote Indicator output
- LED for 360° visibility

Technical Specification:

- Voltage range : **12-28 VDC**
- Alarm Current : **20-28mA**

- Quiescent : **100-120uA @ 24 Vdc**
- Fire LED. : **Red Color Continues**
- Stand by LED. : **Green Color Every 10 Seconds**
- Operating Temp. : **0°C to +90°C**
- Humidity : **<95% RH**
- Wire : **2**
- Sensor : **Photoelectric & Dual Thermistor**
- Product size with Base : **105mm in diameter x 45mm depth**

Wiring Diagram:



Notice:

1. The detector can not be installed under worse environment e.g. Coldest and dusty. Do not remove the dust proof cover until use the detector.
2. Make sure that there is no block within 0.5m from detector .
3. Keep the distance between detector and wall more than 0.5m.
4. Detector should be install Horizontally. If need, to be installed slantingly please keep the angle less than 45 degrees.
5. Make sure the distance between detectors be less than 3.5m. And the distance between detector and corner must be less than half of the one between detectors.
6. Detectors base be installed solid. Wire connection must be reliable.
7. Recommendations should be carried out every six months a simulated fire test, the detectors are working properly.
8. For various reason like change in environmental condition, electric disturbance and tampering, the product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and protection of his/her property.