

## Series 700 Heat Detector

MODEL: **AS-702-HD**

This Heat Detector offers combination of rate-of-rise and fixed temperature detection suitable to any household or commercial application. The detector is made up with an externally mounted dual thermistor with a specially designed cover that protects the thermistor while allowing maximum air flow. The thermistor reads the temperature from the air it takes in and transmits a signal representing the temperature to the panel. If the temperature reaches or exceeds the trip point or the temperature increase reaches or exceeds the rate-of-rise, the detector is triggered. The status LED lights in red and alarm signals is output. The detector is an ideal unit to detect rapid fire developments in houses, shops, hotels, restaurants, offices, schools, banks, libraries and etc.

### 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

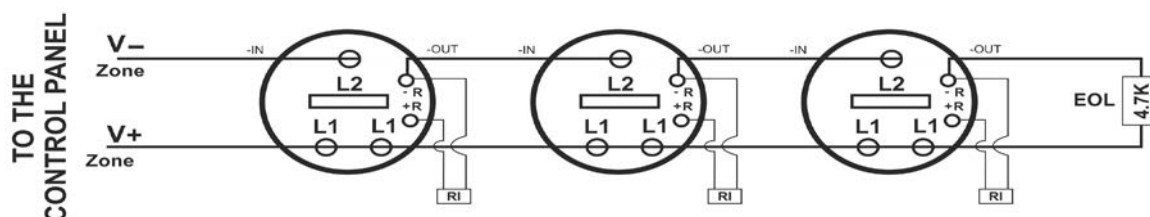
### Technical Specifications :

- |                   |   |                                     |
|-------------------|---|-------------------------------------|
| • Voltage range   | : | <b>12-28 VDC</b>                    |
| • Alarm Current   | : | <b>20-28mA</b>                      |
| • Quiescent       | : | <b>100-120uA @ 24 Vdc</b>           |
| • Fire LED.       | : | <b>Red Color Continues</b>          |
| • Stand by LED.   | : | <b>Green Color Every 10 Seconds</b> |
| • Operating Temp. | : | <b>0°C to +90°C</b>                 |
| • Humidity        | : | <b>&lt;95% RH</b>                   |



- Wire : 2
- Sensor : **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 three 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.