



# AH-9920

## Mechanical Fixed Temperature Heat Detector

### Characteristics

- This detector operates on the temperature differential sensing principle, with a UL approved sensor making mechanical contact. It is made of high quality material, providing excellent contact despite any environmental interference.
- This detector is suitable for locations with high temperatures differentials, such as places (kitchen, restaurant and boiler house) where there is constant use of heat.
- This detector has passed strict quality control and repetitive testing; hence its quality is durable and highly reliable.
- Through its professional design, the heat collector can accelerate its response rate after being heated, and has a protective device to avoid accidental response caused by distortion, bumping and dropping in order to increase the reliable product.
- The unit is completely sealed; its function is not affected by humidity, dust or insects.

### Specifications

|                            |                          |        |                              |
|----------------------------|--------------------------|--------|------------------------------|
| Model                      | AH-9920                  |        |                              |
| Type                       | 2-wire                   | 3-wire | 4-wire                       |
| Alarm Contact              | N/A                      | N/A    | 0.8A @30V DC<br>0.4A @125VAC |
| Thermal Setting            | 70°C or other selections |        |                              |
| Voltage Range              | 12 ~ 30V DC              |        |                              |
| Alarm Current @24V DC 470Ω | 40mA                     | 40mA   | 35mA                         |
| Alarm Temperature          | Comply to EN54           |        |                              |
| Ambient Temperature        | -10°C ~ +55°C            |        |                              |
| Material                   | Fire-proof plastic       |        |                              |
| Dimensions                 | 111mm(Dia.) x 47mm(H)    |        |                              |
| Weight                     | About 100g               |        |                              |
| Color                      | White                    |        |                              |

### Effective alert area

|                     |                   |                   |
|---------------------|-------------------|-------------------|
| Construction/Height | Under 4M          | 4M ~ 8M           |
| Fire-proof Building | 60 M <sup>2</sup> | 30 M <sup>2</sup> |
| Ordinary Building   | 30 M <sup>2</sup> | 15 M <sup>2</sup> |

