

# Fixed Temperature Heat Detector

## S-318

### Common Base Compatible



### Operation Theory

When detector's ambient temperature has reached the pre-fire standard (operative temperature), sensor's dual metal plate will bend for conduction (dual metal are two connected metal with different inflation factors, it will bent by inflation when heat is up to certain degree) and issue the signal to control panel.

### 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 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.

### Specification

Model	S-318		
Type	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A@ 30VDC 0.4A@ 125VAC
Thermal Setting	70°C or other selections		
Voltage Range	12~30V DC		
Alarm Current @24 V DC 470Ω	40mA	40mA	30mA
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	60M <sup>2</sup>	30M <sup>2</sup>
Ordinary Building	30M <sup>2</sup>	15M <sup>2</sup>