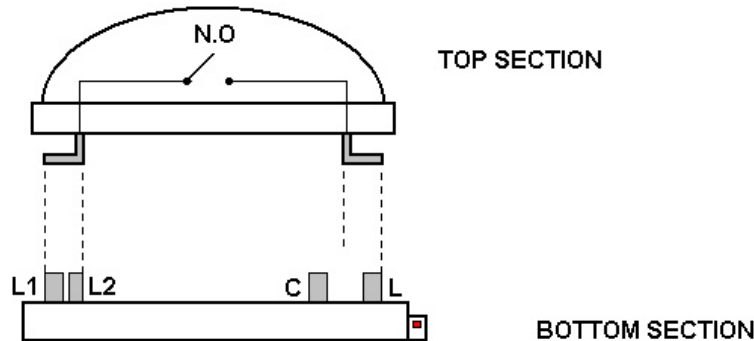


Rate of Rise Heat Detector – FS2001

The FS2001 has a Normally Open Contact (N.O) and will close the switch when heat in the environment makes a steady rise.

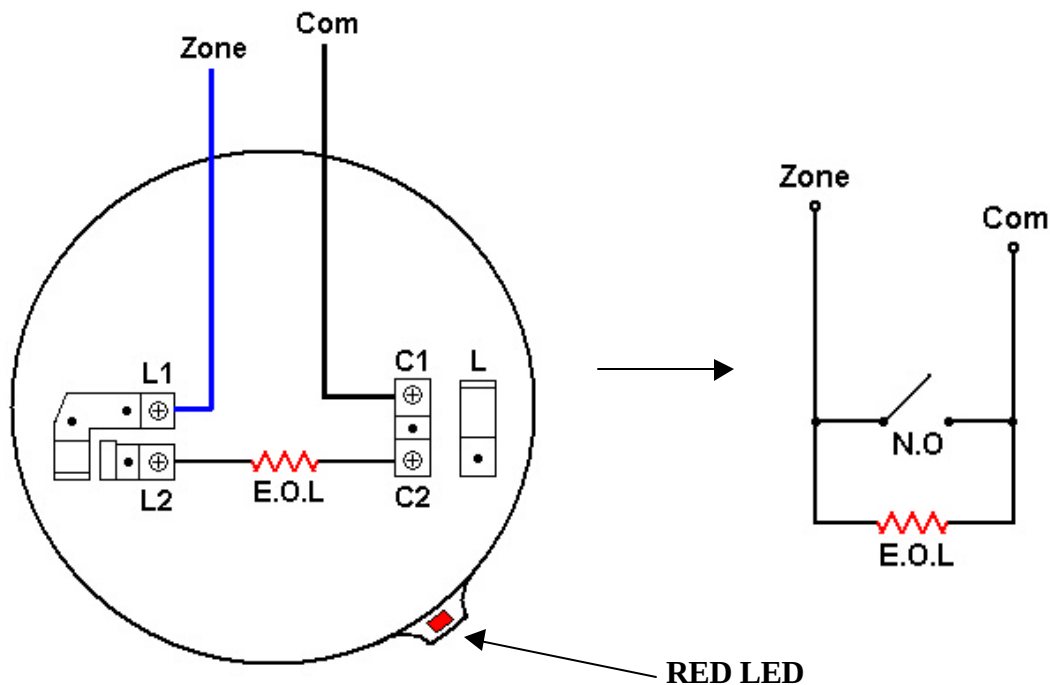


C = C1 & C2 (Both Connected)

L = Led Anode (+)

The terminals **C1** and **C2** on the **BOTTOM** section of the detector are linked, which means it has one common reference **C**. **L1** and **L2** become **shorted** when the **TOP** section of the detector joins with the **BOTTOM** section. The **L** terminal is the anode or positive pin of the **RED LED**. When the detector activates, the normally open (**N.O**) switch closes and allows +12V from the zone terminal to illuminate the **RED LED**. The **L** terminal is **not marked** on the detector, so follow the diagram.

Below is the connection diagram for the FS2001.



Rate of Rise Heat Detector



FS-2001Y

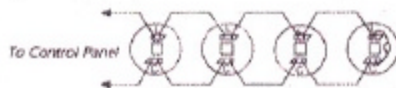
DESCRIPTION

The rate-of-rise heat detector, FS-2001Y, is designed to sense the rapid or abnormal rise in temperature of air. If ambient temperature rises rapidly, the air in chamber expands and presses the diaphragm to close the contact point to give advanced warning. When a slower temperature change occurs, the expanded air escapes through a bleeding hole to keep the pressure balanced so that the fault alarm never occurs.

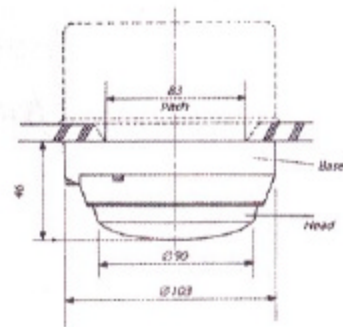
ADVANTAGES

- Rate-of-rise heat detector detects intense fires by quickly responding to rapid temperature increases.
- Mechanical operating principles ensure the long-term durability and the least malfunction.
- Self-restoring ensures those elements repeated use.
- High quality components are fitted for greater reliability.
- Red indication lamp lights when detector is activated.
- High-temperature-enduring plastics and fire-proof material are used to build up the main body of the detector.
- The base is in common with other detectors made in the company for the facilitation of installation.
- Connections are non-polarized to avoid wiring mistakes.

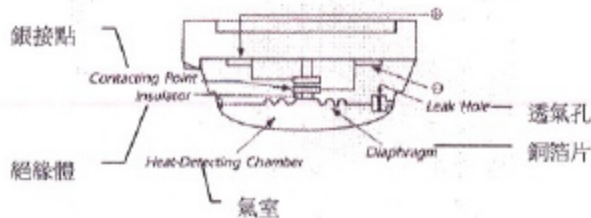
WIRING AND CONNECTION



MOUNTING STATUS



OPERATION PRINCIPLES



- Sensitivity :When Exposed in Air-Stream of 0.85/sec.and 30°C higher than ambient temperature,20 sec(nominal)

SPECIFICATION

型號 Model	FS-2001Y
額定電壓 Rated Voltage	DC-24V
動作電壓 Working Voltage	DC18V~30V
監視電流 Current Normal Condition	0 μ A
動作電流 Current Alarm Condition	Max. 100mA
周圍溫度 Testing Ambient Temp.	-10°C~50°C

重量 Weight	158g
顏色 Color	白色 White
動作方式 Operating Mode	常開 Always Open Type
接點 Contact Point	銀接點 Pure Silver
材質 Body (Plastic)	PC-ABS