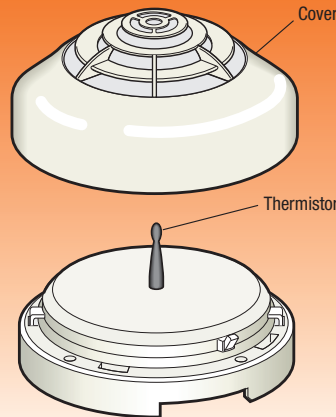


What is Thermistor Heat Detector (Spot Type Rate of Rise Heat Detector / Spot Type Analog Heat Detector)?



ATI-NWRLHY



This is the detector (Analog Heat Detector).

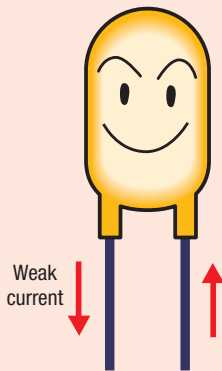
Triggers the fire alarm when the surrounding temperature exceeds a pre-determined value. It detects the temperature with its internal circuits by making use of the changing resistance of the semiconductor (thermistor).

Suitable for these places.

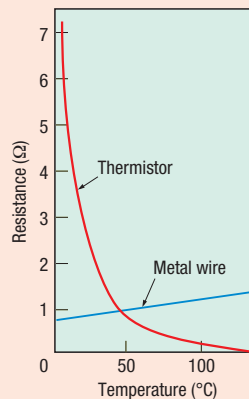
- 1 In places with large amounts of steam such as filling chambers and during cleaning of beer, dairy and juices factories.
- 2 In places where smoke usually gathers such as kitchens, incineration plants and mortuaries.
- 3 In places with high temperatures such as foundries and illumination rooms.
- 4 In places using naked flames such as glass and welding workshops.

Mechanism of Thermistor Heat Detector

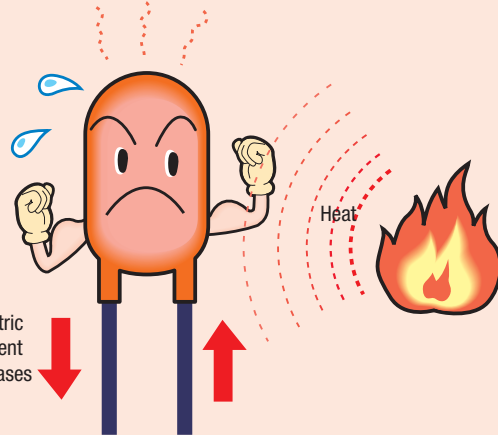
1. The resistance of the thermistor is high in low temperatures, with little electric current flowing.



Weak current

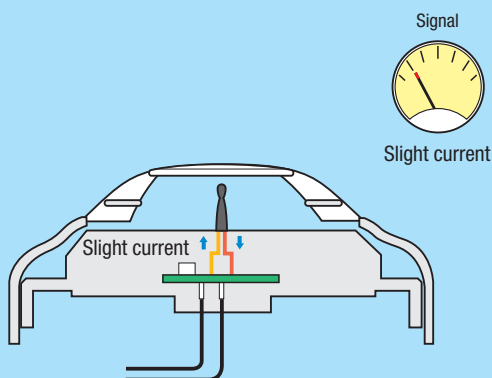


2. When the temperature rises, the resistance of the thermistor lowers and a larger current flows.



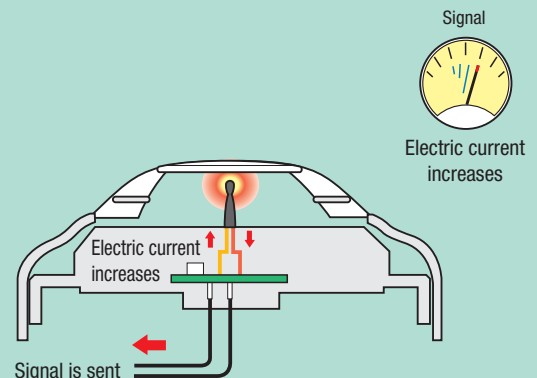
Electric current increases

Normal conditions



When surrounding temperatures are low, little current flows.

During fire



When the surrounding temperature increases, the thermistors will allow more electric current to flow.