Combination Heat Detector

Multi–purpose Design

This detector is designed to ensure the detection ability for temperature change during pre-fire period. Combination of two different heat detection functions could make the product with more safety and reliability.

Construction and Characteristics

- Heated sensing diaphragm can operate consecutively for unlimited times, not effected by temperature, especially the conducting part use gold coating to avoid oxidation.
- Use alloy air equalizer to avoid humidity and stable the ventilate function. Alloy itself has many micro-holes that can expel non-fire heat to avoid false alarm.
- This detector has passed strict quality control by automatic test. To process auto mechanical setting for auto adjustment and repetitious test under stable temperature and humidity condition by computer control. Thus, the quality reliability from the first detector produced to the million's are consistency.
- This detector is operating by temperature differential sensing theory, with highly reliable sensor to connect with metal. It is made by high quality material, excellent contact to enhance its ability to overcome the bad environment.
- Through the professional design, the heat collector can accelerate its response rate after being heated, with the protective device to avoid abnormal function caused by distortion, bumping and dropping in order to increase the stability of product.
- With accumulated water discharger to eliminate leakage of water from the distributing pipe and ceiling, which may leak into the detector and cause false alarm.
- Its local is completely sealed ; function would not effected by humidity, dust and insects.

Specification

Model	AH-9616		
Type	2-wire , 3-wire , 4-wire		
Alarm Contact	N/A	N/A	0.8A @30V DC
			0.4A @125V AC
Nominal Temperature	Rate of Rise & Fixed Temp. $70°$ C (or other selections)		
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	30mA
Alarm Temperature	Comply to EN54, CNS		
Ambient Temperature	0°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 45mm(H)		
Weight	About 140g		
Color	White		

Effective Alert Area

Construction/Height	Under 4M	4M ~ 8M
Fire-proof Building	90 M^2	45 M^2
Ordinary Building	50 M^2	30 M^2