

Multi-Purpose Combination Heat Detector



Operation Theory

This detector is design 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. When detector's ambient temperature rises rapidly and has reached the pre-fire standard (Rate-of-Rise), or the ambient temperature is reached 58°C (Fixed-Temperature) then the fire signal will be sent to control panel.

Specification

Model	AH-0316-2, AH-0316-3, AH-0316-4		
Voltage Range	12 ~ 30V DC		
Standby Current	45µA		
Permissible Current	120mA		
Alarm Current	30mA	35mA	40mA
@24V DC 470Ω			
Thermal Setting	58°C		
Response Grade	Comply to EN54, Grade 1		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 55mm(H)		
Weight	145g	147g	160g
Color	Ivory		

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

Order Information

AH-0316-2	2-Wire
AH-0316-3	3-Wire With Remote Indicator Output
AH-0316-4	4-Wire With Relay Output

Resettable Type Detector

This unit is designed for relay output feature with optional individual power source and it has used widely in the current market. This resettable detector does not only used for fire alarm system but also will supervise input power via optional relay output for power breakdown or wire break, fault relay contact will open when power breakdown happened and fire alarm signal will transmitted to connected system or computer terminal when detector is activate. When the alarm signal is clear and the detector will automatically back to standby status. Optional built-in buzzer could sound for warning purpose at the first stage of fire. This detector is currently used quite often in security system and is also promote to apply for communication, banking, shipping or art business and it still under development for more applications in the future.

Specification (Resettable)

Model	AH-0316-S
Alarm Current	35mA
Standby Current	30µA
Voltage Range	12V DC
Weight	157g

Order Information (Resettable)

AH-0316-S	+ Relay Output
-----------	----------------

Approvals



EN54 CE

Multi-Purpose
Combination Heat Detector >> 5