

# Multi-Purpose Smoke and Heat Detector



## Operation Theory

Advanced Multi-Sensor is a microprocessor-based smoke detector that uses a combination of photoelectric and thermal sensing technologies. It provides early warning and an accurate analysis of alarm situation. These state-of-the-art algorithms also provide a high immunity to nuisance alarm.

## Specification

Model	AH-0315-2, AH-0315-3, AH-0315-4
Voltage Range	12 ~ 30V DC
Standby Current	55µA
Permissible Current	120mA
Alarm Current @24V DC 470Ω	40mA 30mA 40mA
Sensitivity Setting	Comply to UL&EN standard
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	155g 157g 165g
Color	Ivory

## Effective Alert Area

Building Height	Area Covered
Under4M	150M <sup>2</sup>
4-20M	75M <sup>2</sup>

## Order Information

AH-0315-2	2-Wire
AH-0315-3	3-Wire With Remote Indicator Output
AH-0315-4	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-0315-S, AH-0315-BS, AH-0315-BPS
Alarm Current	25mA 65mA 80mA
Standby Current	125µA 125µA 15mA
Voltage Range	12V DC 12V DC 12V DC
Weight	164g 166g 171g

## Order Information (Resettable)

AH-0315-S	+ Relay Output
AH-0315-BS	+ Buzzer + Relay Output
AH-0315-BPS	+ Buzzer + Power off & Wire Disconnection Warning + Relay Output