



Multi-Purpose Smoke Detector

Operation Theory

The infrared light beam from Transmitter intersects the smoke particles will cause the light spread to all directions. When Receiver sensed the light, it will send signal to control panel for fire alarm status as soon as the density of smoke reaches pre-determined alarm level.

Specification

Model	AH-0311-2, AH-0311-3, AH-0311-4		
Voltage Range	12 ~ 30V DC		
Standby Current	35μA		
Permissible Current	120mA		
Alarm Current	40mA	30mA	40mA
@24V DC 470Ω			
Sensitivity Setting	Comply to EN54, UL268		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 47mm(H)		
Weight	155g	157g	165g
Color	Ivory		

Effective Alert Area

Building Height	Area Covered
Under 4M	150 M ²
4 ~ 20M	75 M ²

Order Information

AH-0311-2	2-Wire
AH-0311-3	3-Wire With Remote Indicator Output
AH-0311-4	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-0311-S, AH-0311-BS, AH-0311-BPS		
Alarm Current	15mA	50mA	80mA
Standby Current	115μA	115μA	15mA
Voltage Range	12V DC	12V DC	12V DC
Weight	168g	170g	170g

Order Information (Resettable)

AH-0311-S	+ Relay Output
AH-0311-BS	+ Buzzer + Relay Output
AH-0311-BPS	+ Buzzer + Power off & Wire Disconnection Warning + Relay Output