

System Detectors

OPTICAL SMOKE DETECTOR OPTICAL SMOKE CUM HEAT DETECTOR



Conventional Photoelectric Smoke Detector and Smoke cum Heat Detector

All of Agni AD333 series detectors meet the requirements of UL 268 and EN 54-7/5 for use in Fire Alarm signaling systems. They are intended for use in 2-wire/4 wire Class A or B supervised zone circuits. The AD 333 Series detectors are subject to panel compatibility limits and compliance with corresponding NFPA 72E standards, local codes, and ordinances.

AD-333 series include 2-wire and 4-wire detectors, which provide fast and reliable response to photoelectric smoke and heat (135⁰F) detection. While the smoke and heat detection circuits operate independently, their outputs being "OR" connected. The detector provide the fire detection



HEAT DETECTOR RATE OF RISE CUM FIX TEMPERATURE

Agni AD-912 series detectors meet the requirements of UL 268 and EN 54-7/5 for use in Fire Alarm signaling systems. They are intended for use in 2-wire/4 wire Class A or B supervised zone circuits. The AD-912 Series detectors are subject to panel compatibility limits and compliance with corresponding NFPA 72E standards, local codes, and ordinances. The conventional AD-912 series of Heat detectors were designed with precise CPU control and thermistor detection. Its state of the art combination of "Rate of Rise" and "Fixed Temperature" ensures the best quality of heat detection in all environments.

STAND-ALONE DETECTOR



AD-218 Series photoelectric smoke detectors are designed in accordance with UL-217, EN-146045 IC & BS 5446 and manufactured under the best quality control. The series alarm are adopted the reliability UL-certificated infrared components. AD-218 series alarms also act as a smoke sensor and/or a 135⁰F heat detector at the same location.

System Detectors

HEAT DETECTOR FIX TEMPERATURE



AD-918 Series heat detectors are designed & manufactured under the best quality control. It act as a fix temperature & issue the signal to control panel at 135°F.

PRODUCT FEATURES *(Excluding 918 Series)*

- 2 wire models. (excluding 218 series)
- 2 LED's for 360-degree visibility.
- Advanced detection and discrimination value.
- Easy installation and maintenance.
- Sleek low profile - housing design.
- Durable sensor head, no need for replacement.
- SMD circuit board design, satisfaction, quality and reliability guaranteed.
- Two year limited warranty.

GENERAL SPECIFICATION

Model	2/4 Wire	Heat Sensor Setting	Voltage DC	Standby Current (Max.)	Alarm Current (Max.)	Surge Current (Max.)	Start-Up Time (Max.)	Permissible Current (Max.)	Fequency	Base Model
AD 333 - 2L	2	-	10.8~33V	40μ A	22/55 mA	60 μA	30 Seconds	80 mA	3-5 Seconds	P/N852001
AD 333 - 2HL	2	135±5°F	10.8~33V	40μ A	22/55 mA	60 μA	30 Seconds	80 mA	3-5 Seconds	P/N854001
AD 912 - 2L	2	135±5°F	10~33V	45μ A	50 mA	100 μA	30 Seconds	80 mA	3-5 Seconds	P/N854001
AD 218	2	-	9V	8μ A	15 mA	-	30 Seconds	-	3-5 Seconds	-
AD 918 - 2	2	135±5°F	10-30v	-	-	-	30 Seconds	-	3-5 Seconds	-

SENSOR SPECIFICATION :

Model	AD 333 - 2L	AD 333 - 2HL	AD 912 - 2L	AD 218	AD 918 - 2
Smoke Sensitivity	2.26+/-1.21%/FT Obscuration (UL Standard)	2.26+/-1.21%/FT Obscuration (UL Standard)	-	2.26+/-1.21%/FT Obscuration (UL Standard)	-
Heat Sensitivity	-	135°F	135°F / ROR	-	135°F
Reset Voltage	less than 1 volt	less than 1 volt	less than 1 volt	-	-
Reset Time	less than 1 second	less than 1 second	less than 1 second	less than 1 second	less than 1 second
Alarm Indicator	LED continuously emtting red light	LED continuously emtting red light	LED continuously emtting red light	LED continuously emtting red light	-
Remote Output	35mA Max., diode gate	35mA Max., diode gate	35mA Max., diode gate	-	-
Temperature Range	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
Humidity	0 to 95% RH, no condensation or icing	0 to 95% RH, no condensation or icing	0 to 95% RH, no condensation or icing	-	-
Dimension	100 mm (dia) x 46 mm (ht) with base	100 mm (dia) x 46 mm (ht) with base	100 mm (dia) x 46 mm (ht) with base	-	-
Weight	130 g/set with base	135 g/set with base	130 g/set with base	130 g/set with base	50 g

