

FLAME DETECTOR

All of the Agni FD-718 detectors meet the requirements EN-54-10 for use in fire alarm signaling systems, which provides fast and reliable response for visible flame and fire detection. They are intended for use in 2-wire/4 wire class A2 supervised zone circuits. The FD-718 series detectors are subject to panel compatibility limits and compliance with corresponding NFPA 72E standards, local codes and ordinances.

FEATURES :

- 2 or 4 wire models.
- Advanced detection and discrimination algorithms.
- Easy installation and maintenance.
- Sleek low-profile housing design.
- Quick Detection of Flame from Distance.
- High Sensitivity and Wide Directivity.
- SMD circuit board design-satisfactory quality and reliability guaranteed.
- N/C (normal/close)-N/O (normal/open) selectable relay output or remote LED indication output.

THE RANGE INCLUDES :

FD718-2	2-wire Flame Alarm
FD718-2L	2-wire Flame Alarm with Remote LED Output
FD718-4	4-wire Flame Alarm with Relay Output (12/24VDC)



PRODUCT SPECIFICATION :

Model	2/4 wire	Voltage DC (Min.-Max.)	Standby Current (Max.)	Alarm Current (12/24V)	Surge Current (Max.)	Stat-Up Time (Max.)	Permissible Current (Max.)	Alarm contact	Base Model No.
FD 718-2	2	9~28V	220µA	50mA	260µA	30 Seconds	80mA	-	P/N762001
FD 718-2L	2	9~28V	220µA	50mA	260µA	30 Seconds	80mA	-	P/N762001
FD 718-4	4	12/24V	220µA	30mA	260µA	30 Seconds	80mA	from A	P/N764001

PRODUCT DATA :

Spectral Response	185 to 260 nm
Effective Range	5m (flame height : 2cm)
Alarm Indicator	LED continuously emitting red light
Remote Output	25 mA max., diode gate
Temperature Range	0 °C to 50 °C
Permissible Current	80mA maximum
Humidity	0 to 95% RH, no condensation or icing
Alarm Contact	(for 4-wire) NO or NC Operation, Form A : 1.0A@30VDC/0.5A@125VAC
Dimensions	102mm (dia) x 40mm (ht) with base
Weight	130g with base

GAS DETECTOR



PRODUCT SPECIFICATION :

Model	Gas Monitored	2/4 wire	Operating Voltage	Min Gas Level for Alarming	Alarm Sound	Standby Current 12V/24V	Power Consumption	Alarm Current 12V/24V	Operating Temp. (°C)	Humidity	Base Mode
GN625-N	Natural Gas	2	12~24Vdc	Less than 10% LEL	>80dB with Auto-reset	55mA (12V) 25mA (24V)	2 w	80mA/50mA	-10~50°	30% - 90%	P/N854001
GN625-L	Liquefied Gas	2	12~24Vdc	Less than 10% LEL	>80dB with Auto-reset	55mA (12V) 25mA (24V)	2 w	80mA/50mA	-10~50°	30% - 90%	P/N854001

Operating Temperature	-10 °C to +50 °C
Ambient Humidity	30% ~ 95% RH
Alarm Horn	>75dB with Auto-reset at 3m (10 feet)
Power Consumption	2w
Min Gas Level for Alarming	Less than 10% LEL
Dimensions	98mm (Diameter x 43 mm (Height)
Weight	170g with base