

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.)	Start-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/N764001
FD 718-4	4	12/24V	220µA	30mA	260 µA	30 Seconds	80mA	Form A	P/N764001

PRODUCT DATA :

Spectral Response:	185 to 260 nm
Effective Range:	5m (flame height :2 cm)
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

GD-625 series detectors is effective for detecting any buildup of natural gas and liquid gas, ideal for use in commercial properties can be connected with fire alarm control panel with 2 wire, as a control unit for operation as part of gas detection. The gas alarm should be mounted high (for methane gas) or low (for LPG gas) location.

Features:

- To detect combustible gas (NG, LPG).
- Sensitivity can be calibrated into either UL2075 or EN50194 standards.
- Figaro semiconductor sensor heads with UL approval for gas detection.
- Loud 75dB sound signal at alarm mode.
- Advanced detection and discrimination algorithms.
- Easy installation and maintenance.
- Sleek low-profile housing design.
- SMD circuit board design.
- Magnet test feature.
- Power: 12 to 24V DC.
- Two-year limited warranty.



PRODUCT SPECIFICATION :

Model	Gas Monitored	2/4 Wire	Operating Voltage	Min Gas Level for Alarming	Alarm Sounds	Standby Current 12V /24V	Power Consumption	Alarm Current 12V/24V	Operating Temp. (°C)	Humidity	Base Mode
GD625-N	Natural Gas	2	12~24Vdc	Less than 10% LEL	> 80 dB with Auto-reset	55mA/(12V) 25mA/(24V)	2 W	80mA/50mA	-10 ~ 50	30%-90%	P/N854001
GD625-L	Liquefied Gas	2	12~24Vdc	Less than 10% LEL	> 80 dB 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