Ultraviolet Flame Detector

All of the **Sentek's** FD-718 series conventional Ultraviolet Flame detectors meet the requirements of EN54-10 for use in fire alarm signaling systems, which provide 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.

Product Features:

- **2 or 4 wire models**
- **Advanced detection and discrimination algorithms**
- **Using UVTRON flame sensor from HAMAMATSU**
- **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-wireFlame Alarm with Remote LED Output**

FD718 - 4   **4-wire Flame Alarm with Relay Output (12/24VDC)**

Product Specification:

Model	2/4 wire	Voltage DC	Standby Current (Max.)	Alarm Current (Max.)	Start-Up Current (Max.)	Start-Up Time (Max.)	Permissible Current (Max.)	Alarm contact	Base model
FD 718-2	2	12~28V	220µA	55mA	260µA	30 Seconds	80mA	—	P/N992001
FD 718-2L	2	12~28V	220µA	55mA	260µA	30 Seconds	80mA	—	P/N994001
FD 718-4	4	12/24V	220µA	30mA	260µA	30 Seconds	80mA	Form A	P/N994001

Spectral Response:	185 to 260 nm
Effective Range:	6m (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: 2.0A@30VDC/0.5A@125VAC
Dimensions:	102mm (dia.) x 40mm (ht) with base
Weight:	130g with base