



Highly Advanced Sensor & Optics

UV/IR Flame Detector RFD-2000X

SPECIFICATION

General

Spectral Response	Ultraviolet and Infrared
Detection Range	98.5ft (30m) for n-Heptane fire
Field of View	Horizontal 90° Vertical 90°
Response Characteristics	Typical 5 seconds
Temperature Range	Operating : -40°C to +75°C. Storage : -50°C to +80°C.
Humidity Range	0 to 95% relative humidity

Electrical

Operating Voltage	Typical DC24V (17 to 32).
Power Consumption	1.8W maximum at 32 VDC
Wiring	14AWG(2.08mm ²) to 24AWG(0.205mm ²) shielded cable recommended.
Electromagnetic Compatibility	EMC Protected

OutPut

Relays	
Fire Alarm:	- Form A or B Selectable - Normally de-energized - Latching/Non-latching. - Contacts rated 2A at 28 VDC
Fault Alarm	- From A or B Selectable - Normally Energized - Contacts rated 2A at 28 VDC
Warning Alarm :	- From A or B Selectable - Normally de-energized - Contacts rated 2A at 28 VDC

SPECIFICATION

OutPut

4-20mA	A maximum loop resistance of 500 ohms
General Fault	: 0mA +0.5mA
Normal	: 4mA ±0.5mA
IR Detection	: 8mA ±0.5mA
UV Detection	: 12mA ±0.5mA
Warning	: 16mA ±0.5mA
Alarm	: 20mA ±0.5mA
RS-485	Proprietary communication

Mechanical

Dimensions	W134 x H120 x D117 mm W5.3 x H4.7 x D4.6 Inch
Enclosure Material	Stainless steel 316
Shipping Weight	3.4 kg
Color	Metal
Conduit Entry Size	2 x 1/2 inch NPT, M20 x 1.5

Approvals

Performance Certification	FM3260
Hazardous area	Class I Division 1 Groups B,C and D Class II Division 1 Groups E,F and G Class III (FM)
Explosion proof	IECEX, ATEX, Ex d b IIB+H2 T6
Water and dust tight	IP66/67, NEMA Type 4X

Accessories

Fire Simulator	TL-CF2
Bracket	BK-02