

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 second
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 - Contacts rated 2A at 28 vdc

SPECIFICATION

OutPut

4-20mA	A maximum loop resistance of 500 ohms
	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 H117x D120 mm W5.3 x H4.6 x D4.7 Inch
Enclosure Material	Stainless steel 316
Shipping Weight	3.4 kg
Color	Metal
Conduit Entry Size	2 x 1/2 NPT, M20X1.5

Approvals

Performance	FM 3260
Explosion proof	FM (US) Class I Division 1 Groups B,C and D Class II Division 1 Groups E,F and G Class III ATEX Ex d IIB + H2, T6 IECEX, Ex db IIB+H2 T6
Water and dust tight	IP67 , NEMA Type 4X FM approvals

Accessories

Fire Simulator Bracket	TL205 BK-02
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