



Highly Advanced Sensor & Optics

UV/IR Flame Detector
RFD-2000X

SPECIFICATION	
<u>General</u>	
Spectral Response	Ultraviolet and Infrared
Detection Range	100ft(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
<u>Electrical</u>	
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
<u>OutPut</u>	
Relays	<p>Fire Alarm: - Form A or B Selectable - Normally de-energized - Latching/Non-latching. - Contacts rated 2A at 28 vdc.</p> <p>Fault Alarm - From A or B Selectable - Normally Energized - Contacts rated 2A at 28 vdc.</p> <p>Warning Alarm : - From A or B Selectable - Contacts rated 2A at 28 vdc</p>

SPECIFICATION	
<u>OutPut</u>	
4-20mA	A maximum loop resistance of 500 ohms
	<p>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</p>
RS-485	Proprietary communication
<u>Mechanical</u>	
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
<u>Approvals</u>	
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
Water and dust tight	IP67
Vibration	FM approvals
<u>Accessories</u>	
Fire Simulator	TL205
Bracket	BK-2



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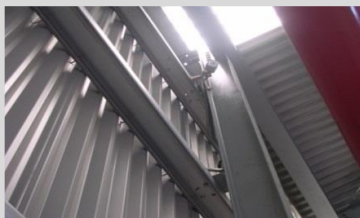
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APPLICATION

Oil&Gas Plant

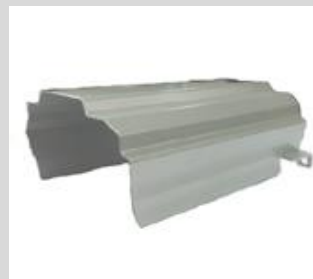


General Application



APPLICATION

Accessories



<Sun shield>



<Test Lamp_TL-205>



<Air shield>



<Bracket_BK-2>

False Alarm Immunity Tech

