



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	
	Electrical	
0	T : D C 2 4 \ / (1 7 + 2 2 2)	

	vertical 90	
Response Characteristics	Typical 5 seconds	
Temperature Range	Operating : -40℃ to +75℃.	
	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(2.08mm2) to	
	24AWG(0.205mm2) shielded	
	cable recommended.	
Electromagnetic	EMC Protected	
Compatibility		
<u>OutPut</u>		

Fire Alarm: - Form A or B Selectable

Fault Alarm - From A or B Selectable

Warning

Alarm:

Relays

Storage : -50°C to +80°C. 0 to 95% relative humidity	RS-485
<u>Electrical</u>	
Typical DC24V (17 to 32). 1.8W maximum at 32 vdc	Dimension
14AWG(2.08mm2) to	Enclosur
24AWG(0.205mm2) shielded	Shipping
cable recommended.	Color Conduit
EMC Protected	Conduit
<u>OutPut</u>	
	Performa
- Form A or B Selectable	Explosio
- Normally de-energized	
Latching/Non-latching.Contacts rated 2A at 28 vdc.	
Contacts fated 2A at 20 vac.	
- From A or B Selectable	Water an
- Normally Energized	Vibration
- Contacts rated 2A at 28 vdc.	
- From A or B Selectable	Fire Simi
- Contacts rated 2A at 28 vdc	Bracket

S	PECIFICATION	
	<u>OutPut</u>	
1-20mA	A maximum loop resistance	
	of 500 ohms	
Fault	: 0mA +0.5mA	
Normal	: 4mA ±0.5mA	
IR Detection	on : 8mA ±0.5mA	
UV Detect	ion : $12mA \pm 0.5mA$	
Warning	: 16mA ±0.5mA	
Alarm	: 20mA ±0.5mA	
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 inch PF.	
<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	
	KGS, ATEX Ex db IIB + H2, T6	
Water and dust tight	IP67	
/ibration	FM approvals	
	Accessories	
Fire Simulator	Accessories TL205	
n e ominator	TLZUJ	

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