



Highly Advanced Sensor & Optics

UV/IR Flame Detector RFD-2000X-H

SPECIFICATION	
<u>General</u>	
Spectral Response	Ultraviolet and Infrared
Detection Range	100ft(30m) for n-Heptane fire 15ft(4.5m) for Hydrogen (30" plume)
Field of View	Horizontal 90° Vertical 90°
Response	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	
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	
<u>OutPut</u>	
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
<u>Mechanical</u>	
Dimensions (body)	W134 x H117 x D120 mm W5.3 x H4.6 x D4.7Inch
Enclosure Material	Stainless steel 316
Shipping Weight	3.4 kg (with Bracket)
Color	Metal
Conduit Entry Size	2 X 1/2 inch NPT, M20 X 1.5
<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 Bracket	TL205 BK-2