REZONTECH

UV/IR FLAME DETECTOR
RFD-2000

SPECIFICATION	
General	

Spectral Response	Ultraviolet and Infrared
Detection Range	100ft(30m) for n-Heptane fire
Field of View	Horizontal 90°
	Vertical 90°
Response Tima	Typical 5 seconds
Temperature Range	Operating : -40℃ to +75℃.
	Storage : -50℃ to +80℃.
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(2.08mm2) to
	24AWG(0.205mm2) 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	W150 x H125 x D103 mm
	W5.9 x H4.92 x D4.05 Inch
Enclosure Material	Aluminum alloy
Shipping Weight	2.8kg (with Bracket)
Color	Ivory
Conduit Entry Size	2 x 1/2 inch PF.

Approvals	

Performance Certification	FM Approvals (FM 3260)
Water and Dust Protection	IP67 NEMA Type 4X

Detection Ranges
* at highest sensitivity setting for 1' x 1' pan fire

N-Heptane	30m	**Kerosene**	21m
Gasoline	30m	**Ethanol**	15m
Diesel fuel	20m	**Methanol**	15m