



Highly Advanced Sensor & Optics

IR3 Flame Detector RFD-3000

SPECIFICATION

General

Spectral Response	Triple IR Bands
Detection Range	200ft(60m) 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

Operating Voltage	Typical DC24V (18 to 30)
Power Consumption	4.8W maximum at 30 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 - Normally Energized - Contacts rated 2A at 28 vdc.
Warning Alarm :	- From A - Normally De Energized - Contacts rated 2A at 28 vdc.

SPECIFICATION

OutPut

4-20mA	A maximum loop resistance of 400 ohms
General Fault	: 0mA +0.5mA
Self Test Fault	: 2mA ±0.5mA
Normal	: 4mA ±0.5mA
Warning	: 16mA ±0.5mA
Alarm	: 20mA ±0.5mA
RS-485	Proprietary communication

Mechanical

Dimensions	W150 x H103 x D125 mm W5.9 x H4.1 x D4.9 Inch
Enclosure Material	Aluminum
Shipping Weight	1.5 kg
Color	Ivory White
Conduit Entry Size	2 x 1/2 inch PF.

Approvals

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

Accessories

Fire Simulator Bracket	TL-CF2 BK-2
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