



## Highly Advanced Sensor & Optics

### IR3 Flame Detector RFD-3000X

SPECIFICATION	
<b><u>General</u></b>	
<b>Spectral Response</b>	Triple IR Bands
<b>Detection Range</b>	200ft(60m) for n-Heptane fire
<b>Field of View</b>	Horizontal 90° Vertical 90°
<b>Response Characteristics</b>	Typical 5 seconds
<b>Temperature Range</b>	Operating : -40°C to +75°C. Storage : -50°C to +80°C.
<b>Humidity Range</b>	0 to 95% relative humidity
<b><u>Electrical</u></b>	
<b>Operating Voltage</b>	Typical DC24V (18 to 30)
<b>Power Consumption</b>	4.8W maximum at 30 vdc
<b>Wiring</b>	14AWG(2.08mm <sup>2</sup> ) to 24AWG(0.205mm <sup>2</sup> ) shielded cable recommended.
<b>Electromagnetic Compatibility</b>	EMC Protected
<b><u>OutPut</u></b>	
<b>Relays</b>	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	
<b><u>OutPut</u></b>	
<b>4-20mA</b>	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
<b>RS-485</b>	Proprietary communication
<b><u>Mechanical</u></b>	
<b>Dimensions</b>	W134 x H117 x D110 mm W5.3 x H6.41 x D4.3 Inch
<b>Enclosure Material</b>	Stainless steel 316
<b>Shipping Weight</b>	3.5 kg
<b>Color</b>	Metal
<b>Conduit Entry Size</b>	2 x 1/2 inch PF.
<b><u>Approvals [Pending]</u></b>	
<b>Performance Certification</b>	FM3260
<b>Hazardous area</b>	Class I Division 1 Groups B,C and D Class II Division 1 Groups E,F and G Class III ATEX, IECEx, Ex d IIB+H2 T5
<b>Explosion proof</b>	IP66
<b>Water and dust tight</b>	
<b><u>Accessories</u></b>	
<b>Fire Simulator Bracket</b>	TL 305 BK-2



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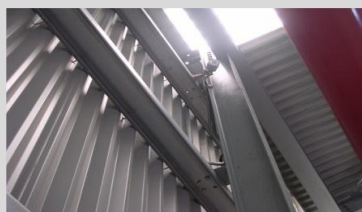
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#### APPLICATION

##### Oil&Gas Plant



##### General Application



#### APPLICATION

##### Accessories



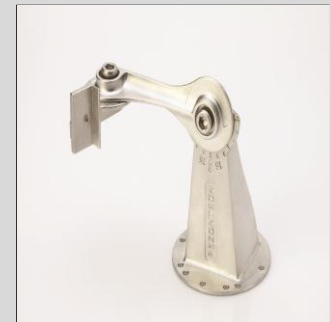
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<Test Lamp\_TL-305>



<Air shield>



<Bracket\_BK-2>

##### False Alarm Immunity Tech

