



## SPECIFICATION DATA

### Highly Advanced Sensor & Optics

## UV/IR Flame Detector RFD-2FTN

SPECIFICATION	
<b><u>General</u></b>	
<b>Spectral Response</b>	Ultraviolet and Infrared
<b>Detection Range</b>	100ft(30m) for n-Heptane fire
<b>Field of View</b>	Horizontal 100° Vertical 100°
<b>Response Characteristics</b>	Typical 3 seconds
<b>Temperature Range</b>	Operating : -40°C to +80°C. Storage : -50°C to +90°C.
<b>Humidity Range</b>	0 to 95% relative humidity
<b><u>Electrical</u></b>	
<b>Operating Voltage</b>	Typical DC 24V (17V to 30V).
<b>Power Consumption</b>	2.3W
<b>Wiring</b>	16 AWG to 26 AWG shielded cable recommended.
<b>Electromagnetic Compatibility</b>	EMI Protected
<b><u>OutPut</u></b>	
<b>Relays</b>	Fire Alarm: - Form A (NO contact) - Normally de-energized - Latching/Non-latching. - Contacts rated 1A at 30 vdc.  Fault Alarm - From A or B Selectable - Contacts rated 1A at 30 vdc.

SPECIFICATION	
<b><u>OutPut</u></b>	
<b>4-20mA</b>	A maximum loop resistance of 500 ohms  Fault : 0mA +0.5mA Normal : 4mA ±0.5mA Alarm : 20mA ±0.5mA
<b>RS-485</b>	Proprietary communication for protocol link
<b><u>Mechanical</u></b>	
<b>Dimensions</b>	W64 x H64 x D75 (mm)
<b>Enclosure Material</b>	Aluminum (Anodized)
<b>Shipping Weight</b>	0.53kg
<b>Color</b>	Metalic Silver (Customized Color available)
<b>Conduit Entry Size</b>	1/2 NPT
<b><u>Approvals</u></b>	
<b>Performance</b>	KFI (Korea Firesafety Institute)
<b>Explosion Proof</b>	ATEX & KGS & NEPSI II 2 GD Ex d IIC T6/T5
<b>Water and dust tight CE</b>	IP67/IP66 IP67/IP66
<b><u>Accessories</u></b>	
<b>Fire Simulator Bracket</b>	TL-205 BK-1



# Highly Advanced Sensor & Optics &

## UV/IR Flame Detector RFD-2FTN

### APPLICATION

#### Oil&Gas Plant



### General Application



### APPLICATION

#### Accessories



<Sun shield>



<Test Lamp\_TL-205>



<Air shield>



<Bracket\_BK-1>

### False Alarm Immunity Tech



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