

Omniguard Model 760 Flame Detector

Multi-Spectrum Infrared Flame Detector

The Omniguard Model 760 Multi-Spectrum Infrared flame detector is designed to detect unwanted fires and output alarm information. The Model 760 senses infrared radiation in five discreet infrared wavelengths for early fire detection for maximum protection. Utilizes the patented Omniguard Fire Event Algorithm for superior false alarm immunity and quick detection of hydrocarbon-fueled fires.



Product Features:

- Self-Contained, Explosion-Proof Enclosure
- Wide Field View of 90°
- State-Of-The-Art Microprocessor Control
- 5 Year Warranty
- Long Range Detection
- FM, CSA, IECEx and ATEX Approved



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| Omniguard Model 760 Product Specifications | |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature Range | -40°F to 185°F (-40°C to 85°C) |
| Spectral Response | Infrared Peak Sensitivities of 2.2, 3.7, 4.4 and 5.8 |
| Nominal Voltage | 24 VDC (Ripple Voltage <240mV) |
| Range | 20 to 30 VDC |
| Power Consumption | 80 mA (Standby), 100 mA (Alarm), 160 mA (Auto and Manual Test) |
| Output | Relay <ul style="list-style-type: none">• Relays (2): Fire, Trouble, Dry Contacts, Hermetically Sealed• Rated: 2 A at 28 VDC (User Selects NO or NC)• Fire Relay: User Selects Latching or Non-Latching Current Loop (Standard Version): 0 to 20 mA Output <ul style="list-style-type: none">• 20 mA = Fire• 16 mA = Warning Fire IR• 5 mA = Warning Ref IR• 3 mA = Fire Relay Coil Fault• 2 mA = Calibration Not Complete• 1 mA = Self-Test Fault• 0 mA = Current Loop Fault• 4 mA = Normal |
| Digital Output | RS-485 Modbus Serial I/O |
| Product Dimensions | 4.5 x 5.5 x 4.9 in. |
| Total Weight | 5 lbs. |
| Conduit Entry | 3/4-14 NPTF or M20-1.5 |
| Optional Accessories | Swivel Mount - No. 20856 Portable Test Unit - Model 545 Rain Shield - No. 23546 |
| Certifications & Approvals | Class I, Division 1, Groups B, C & D (Explosion Proof) Class II, Division 1, Groups E, F & G (Dust Ignition Proof) TYPE 4X Weatherproof, Dust-Tight, Watertight CE0081 Ex II 2 G/D Ex d IIB+H2 T5 Gb for Gas Ex tb IIIC T100°C Db IP66 for Dust Copper-Free Aluminum Housing Coated to MIL-C-5541C, Class 3 (White) |

Manufactured By:

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