

Omniguard Model 760 Flame Detector

The Omniguard Model 760 Multi-Spectrum Infrared Flame Detector is a state-of-the-art safety device engineered to detect unwanted fires and provide rapid alarm notifications. Utilizing multi-spectrum infrared (IR) sensing technology, the Model 760 offers early and accurate detection of hydrocarbon-fueled fires, delivering maximum protection in critical environments.

Key Features:

- Advanced Infrared Sensing: Monitors five discreet infrared wavelengths, allowing for early fire detection and enhanced accuracy in challenging environments.
- Patented Fire Event Algorithm: Incorporates the Omniguard Fire Event Algorithm, providing:
 - * Superior False Alarm Immunity: Minimizes false alarms caused by non-fire sources, ensuring reliable performance.
 - * Quick Detection of Hydrocarbon Fires: Optimized for fast response times to real fire events, enhancing safety protocols.
- Reliable Alarm Output: Transmits critical alarm information to safety systems, enabling automated responses and prompt alerts to site personnel.
- Rugged and Durable Design: Built to withstand harsh industrial conditions, offering long-lasting performance and minimal maintenance needs.

Ideal For:

- Oil and gas facilities
- Chemical processing plants
- Industrial manufacturing sites
- Critical infrastructure protection
- High-risk environments requiring advanced fire detection

The Omniguard Model 760 Multi-Spectrum Infrared Flame Detector combines cutting-edge infrared technology, patented false alarm immunity, and robust safety features, delivering a comprehensive fire detection solution to maximize safety and protect assets in high-stakes industrial applications.



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Ultraviolet-Infrared Flame Detector

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 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 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 Ibs.
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)



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