Omniguard Model 860 Flame Detector

Ultraviolet-Infrared Flame Detector

The Omniguard Model 860 UV/IR flame detector is designed to detect unwanted fires and output alarm information. The Model 860 senses ultraviolet radiation and infrared radiation in the appropriate wavelength for early fire detection. Utilizes the patented Fire Event Analysis Algorithm to provide superior false alarm immunity. Available in two versions: one is for hydrocarbon fires only, and one is for hydrocarbon and certain non-hydrocarbon fires.

Product Features:

- **Widest Field View in the Industry of 120°C**

- **Economical No-Test Version Available**

- **State Of The Art Microprocessor Control with Proprietary Fire Library**

- **All Inclusive 3-Year Warranty on Parts and Labor**

- **Long Range Detection**

- **Robust, Weatherproof Enclosure for Indoor or Outdoor Applications**

Omniguard®
by Firefly

Omniguard Model 860 Product Specifications	
Operating Temperature Range	**-40°F to 185°F (-40°C to 85°C)**
Spectral Response	**UV Peak Sensitivity of 0,22 µm; Infrared: Peak of 4.4 µm (Standard) and 2.9 µm and 4.4 µm (Dual Pass)**
Nominal Voltage	**24 VDC (Ripple Voltage <240mV)**
Range	**20 to 30 VDC**
Power Consumption	**90 mA (Standby), 110 mA (Alarm), 250 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 = UV or IR Presence** • **4 mA = Ready** • **0 mA = 20**
Digital Output	**Programmable RS-485 Modbus Serial Output**
Product Dimensions	**4.5 H x 5.5 W x 6 D in.**
Total Weight	**5 lbs. Aluminum, 13 lbs. Stainless Steel**
Conduit Entry	**3/4-14 NPTF or M20-1.5**
Optional Accessories	**Swivel Mount - No. 20856 (Used with Aluminum); No. 70991 (Used with Stainless Steel)** **Portable Test Unit - Model 540 / 545** **Air Shield Assy Kit - No. 8001023** **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)** **NEMA 4X Weatherproof, Dust-Tight, Watertight** **CE0081 Ex d II 2 G/D** **Ex d IIB+H2 T5 Gb for Gas on 660-0XXXX** **Ex tb IIIC T100°C Db IP6X for Dust on 660-0XXXX** **Ex d IIB+H2 T4 Gb for Gas on 660-1XXXX** **Ex tb IIIC T1 135°C Db IP6X for Dust on 660-1XXXX** **Copper-Free Aluminum Housing Conversion Coated to MIL-C-5541C. Class 3 (White) - Standard Stainless Steel Housing with Passive Finish per MIL-5-5002C, Type 1 (Optional)**

Manufactured By:

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