

OTIS

Omniguard Model 660 Flame Detector

Ultraviolet Flame Detector

The Omniguard Model 660 UV flame detector is designed to detect unwanted fires and output alarm information. The Model 660 senses ultraviolet radiation in the appropriate wavelength for fast detection of hydrocarbon and non-hydrocarbon fires. Available in two versions: one for standard industrial applications, and one suited for turbine enclosure and high temperature industrial applications.



Product Features

- Available in Special High Temperature Version: -40°F to 257°F (-40°C to 125°C)
- Widest Field View in the Industry of 120°
- Robust, Weatherproof Enclosure for Indoor or Outdoor Applications
- Long Range Detection
- Improved, Advanced, Through-the-Lens Diagnostic Self-Test
- Self-Contained, Explosion-Proof Enclosure
- Economical No-Test Version Available
- State-of-the-Art Microprocessor Control
- Field Configurable Relays and Sensitivity
- High Intensity, Localized Indication of Fire or Fault
- FM, CSA, IECEx and ATEX Approved
- All Inclusive 3-Year Warranty on Parts and Labor



John M. Ellsworth Co., Inc.

P.O. Box 240072
8700 West Bradley Road
Milwaukee, WI 53224

800-333-3331 **PHONE**
800-563-8848 **FAX**

info@jmesales.com **E-MAIL**
www.JMESales.com **WEB**

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Omniguard Model 660 Product Specifications

Product Specifications	
Operating Temperature Range	-40°F to 185°F (-40°C to 85°C) - Standard, -40°F to 257°F (-40°C to 125°C) - Special High Temp. Version
Spectral Response	Ultraviolet Peak Sensitivity of 0,22 µm
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	<p>Relay</p> <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 <p>Current Loop (Standard Version): 0 to 20 mA Output</p> <ul style="list-style-type: none"> • 20 mA = Fire • 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 - No. 43808-2 Air Shield Assy Kit - No. 8001023
Certifications & Approvals	<p>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)</p>



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