

OI-660 UV Flame Detector

The Omniguard Model 660 UV Flame Detector is a reliable safety device designed for rapid detection of hydrocarbon and non-hydrocarbon fires using ultraviolet sensing technology.

Key Features:

- Fast Detection: UV sensing enables rapid response to fire events
- Auto Self Test
- Application Flexibility: Available in standard industrial and high-temperature/turbine enclosure versions
- Alarm Integration: Provides immediate alarm output for automated safety response
- Rugged Design: Built for durability in harsh environments with low maintenance
- 120 degree field of view

Applications:

- Oil and gas facilities
- Chemical processing
- Power generation (turbine enclosures)
- High-temperature industrial environments
- General industrial safety systems

The Model 660 delivers fast, dependable flame detection with flexible configurations for critical safety applications.



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Product Specifications

Operating Temperature Range	-40 C to +85 C—Standard, -40 C to +125 C—Special High Temp Version
Spectral Response	Ultraviolet Peak Sensitivity of 0.22 microns
Nominal Voltage	24 VDC (Ripple Voltage <240mV)
Range	20 to 32 VDC
Power Consumption	Standard Version Current draw - Standby - 42mA, Standby 4-20mA - 47mA, Alarm - 56mA, Auto Test - 136mA, Manual Test - 159mA High temp Version Current draw - Standby - 56mA, Alarm - 946mA, Auto Test - 140mA, Manual Test - 193mA
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 • 4 mA = Ready • 0 mA = 20
Digital Output	Programmable RS-485 Modbus Serial Output
Product Dimensions	4.5 in. H x 5.5 in. W x 6 in. D
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) Portabel Test Unit—No. 43808-2 Air Shield Assy Kit—No. 8001023
Certifications & Approvals	Class I, Division I, Groups B, C & D (Explosion Proof) Class II, Division I, Groups E, F & G (Dust Ignition Proof) NEMA 4X Weatherproof, Dust-Tight, Watertight CE0081 Ex II 2 G/D Ex db IIB + H2 T5 Gb for gas on 660-0XXXX Ex tb IIIC T100 C Db IP66 for dust on 660-0XXXX Ex db IIB + H2 T4 Gb for gas on 660-1XXXX Ex tb IIIC T135 C Db IP66 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 I (Optional)