

X5200G

UVIR Hydrocarbon

The X5200 UVIR Flame Detector meets the most stringent requirements worldwide with advanced detection capabilities and immunity to extraneous sources, combined with a superior mechanical design. The mounting arrangement allows the UV and IR sensors to monitor the same hazardous location with a 90 degree cone of vision. When both sensors simultaneously detect the presence of a flame, an alarm signal is generated. The detector has Division and Zone explosion-proof ratings and is suitable for use in indoor and outdoor applications.

The standard output configuration includes fire, fault and auxiliary relays. An optional 0 to 20 mA output with HART can be provided in addition to the three relays. A model with pulse output is available for easy retrofitting into existing Det-Tronics controller based systems. Auxiliary relay and 0 to 20 mA output are not available with the pulse model. A tri-color LED on the detector faceplate indicates normal condition and notifies personnel of fire alarm or fault conditions.

The X5200M UV/IR detector utilizes a molybdenum (moly) UV sensing element. Moly-based UV sensors have an increased spectral range of 1850 to 2650 angstroms, which is better suited for detecting substances with unusual chemistry and some black powders.

The X5200 housing is available in aluminum or stainless steel, with NEMA 4X and IP66/IP67 rating.

Typical applications include:

- Munitions
- Petrochemical applications
- Turbines
- Refineries



Details

- Complies with FM 3260 EN54 certified Certified SIL 2 capable ATEX Directive compliant EQP models available A new level of false alarm rejection Responds to a fire in the presence of modulated blackbody radiation (i.e. heaters, ovens, turbines) without false alarm HART models available FDT/DTM capable High speed capability Microprocessor controlled heated optics for increased resistance to moisture and ice Automatic, manual or magnetic oi® (optical integrity) testing — no external test lamp required Easily replaceable oi plate Fire, fault and auxiliary relays standard MODBUS RS-485 communication 0 to 20 mA isolated output (optional) Pulse output for compatibility with controller based systems (optional) A tri-color LED on the detector faceplate indicates normal condition and notifies personnel of fire alarm or fault conditions Mounting arm allows easy sighting Integral wiring compartment for ease of installation Class A wiring per NFPA-72 Meets NFPA-33 response requirement for under 0.5 second (available when model selected) RFI and EMC Directive compliant Built-in data logging / event monitoring

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Technical specifications



As a company of innovation, Carrier Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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