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honeywell fs20x-211-23-6 Flame Detector

Product Overview:

Based on the foundation of the highly successful and reliable SS4 Flame Detector, the FS20X Flame Detector represents a quantum leap in integrating Infrared and Ultraviolet sensing technologies. The FS20X is a Multi-Spectrum and UV/Dual IR/VIS Flame Detector with a proven UV solar-blind sensor. The FS20X exhibits faster false-alarm free response to fires over a wider temperature range and with a much longer detection range compared to conventional UV/IR detectors.

Conventional and older technology UV/IR detectors, using narrow band 4.3 micron IR sensors, will not respond to smoky fires or if the detector lens is contaminated with oil and other substances since both UV and 4.3 micron signals are attenuated, obscured or absorbed by thick smoke or detector lens contaminants. Also, these old technology UV/IR detectors will not alarm to any fire if they are installed behind ordinary window glass.

Dual microprocessors provide a high level of fail-safe operation combined with fast and reliable performance. The Master Microprocessor performs high-speed digital sampling and signal processing calculations; while the slave microprocessor handles various sensor data, performs communications, self-diagnostics and provides interface versatility; and additional

memory for storing Event Log and FirePic™ data.

The FS20X Flame Detector has a detection range in excess of 200 feet (very high sensitivity setting) for the detection of a one square-foot Heptane reference fire and has a cone of vision greater in volumetric coverage than most UV/IR detectors. This means fewer detectors can be used as compared to other manufacturers' detectors.

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Features

Detects hydrocarbon and non-hydrocarbon fuel fires in all environmental conditions

Wide operating temperature range

Arc welding immunity

False alarm rejection

Minimal maintenance for trouble-free operation

Patented WideBand IR™ Infrared combined with Ultraviolet

Detection range greater than 60 m (200 feet) to 0.1 m² (1 sq. ft.) heptane fire

Patented Electronic Frequency Analysis

Visible sensor for optimum false alarm rejection
Selectable detection sensitivities
Dual microprocessors for reliable performance
Real-time clock for accurate time dating of events
FirePic™ — Up to 6 pre-fire event data storage
Event log — Up to 200 events with date and time stamp
Alarm, Fault and Fire Verification relays
Automatic Optical Path and Electronic self-test
Patented Electronics Module for component protection with plug-in terminations for easy field installation
Two M25 conduit entries
Low power consumption

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Product Specification

Part Number: FS20X-211-23-6
FM: Class I, Div. 1 & 2, Groups B, C, & D; Class II, Div. 1 & 2, Groups E, F, & G; Class III
ATEX/IECEx: II 2 G Ex db IIC T4 (Ta: -60 to +110°C), T5 (Ta: -60 to +75°C), T6 (Ta: -60 to +60°C), II 2 D Ex tb IIIC T135°
CE: Complies with EN6100-6-4 & EN50130-4
NMETRO: Approved
CU-TR: Approved
Field of View: 90° Horizontal Cone of vision, $\pm 45^\circ$ from on axis
Sensitivity: Very high (60m), high (45m), medium (30m) and low (15m) - switch selectable
Operating Voltage: 24 Vdc nominal (18-32 Vdc) - regulated
Loop Resistance: 50 - 400 Ohms
Communication: One of the following – user selectable:
RS-485, ModBus Protocol
RS-485, FireBus II
Visual Indicators: Green LED: Power; Red LED: Alarm; Yellow LED: Fault
Operating Temperature Range: -40°C/+85°C
Humidity Range: 5 to 98% relative humidity, non-condensing
Vibration: Meets or exceeds MilSpec 810C Method 514.2, Curve AW12
Wiring: 2.5 mm² (14 AWG) to 0.326 mm² (22 AWG); shielded cable recommended
Conduit Entries: Two M25 conduit entries
Enclosure Materials: Copper-free powder coated aluminum or 316 stainless steel
Enclosure Type: 4X, IP66 and NEMA 4
Weight: 1.6kg
Mounting: Swivel bracket assembly - optional

Please contact me get more information
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FS20X-211-21-2 DUAL IR/UV FLAME DETECTOR Copper-Free Aluminium Encl. with (2) ¾" NPT entries, FM, cFM for Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III

FS20X-211-22-2 DUAL IR/UV FLAME DETECTOR Stainless Steel Encl. with (2) ¾" NPT entries, FM, cFM for Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III

FS20X-211-23-3 DUAL IR/UV FLAME DETECTOR Copper-Free Aluminium Encl. with (2) M25 entries, FM, cFM, ATEX, IECEx for Class I, Zone 1

FS20X-211-24-3 DUAL IR/UV FLAME DETECTOR Stainless Steel Encl. with (2) M25 entries, FM, cFM, ATEX, IECEx for Class I, Zone 1

FS20X-211-21-6 DUAL IR/UV FLAME DETECTOR Copper-Free Aluminium Encl. with (2) ¾" NPT entries, FM, cFM for Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III. With En54-10 certification

FS20X-211-22-6 DUAL IR/UV FLAME DETECTOR Stainless Steel Encl. with (2) ¾" NPT entries, FM, cFM for Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III. With En54-10 certification

FS20X-211-23-6 DUAL IR/UV FLAME DETECTOR Copper-Free Aluminium Encl. with (2) M25 entries, FM, cFM, ATEX, IECEx for Class I, Zone 1. With En54-10 certification

FS20X-211-24-6 DUAL IR/UV FLAME DETECTOR Stainless Steel Encl. with (2) M25 entries, FM, cFM, ATEX, IECEx for Class I, Zone 1. With En54-10 certification £2,535.00 UB

FS20X-211-23-8 DUAL IR/UV FLAME DETECTOR Copper-Free Aluminium Encl. with (2) M25 entries, CU-TR approval, T5 (Op. Temp -60° to 75°C)

FS20X-211-24-8 DUAL IR/UV FLAME DETECTOR Stainless Steel Encl. with (2) M25 entries, CU-TR approval, T5 (Op. Temp -60° to 75°C)