

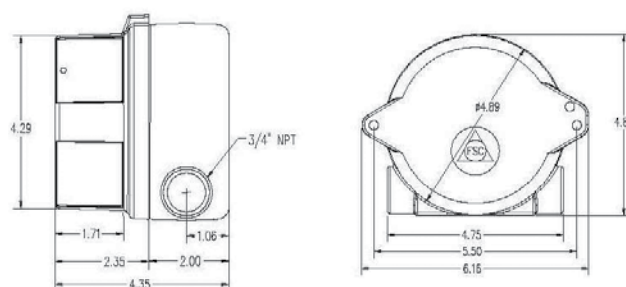
Fire Sentry FS20X SPECIFICATIONS

Multi-Spectrum IR & UV/Dual IR/VIS Flame Detector



General Specifications	
Field of View	90° Full 100% Cone of vision, $\pm 45^\circ$ from on axis
Sensitivity	Very High, High, Medium and Low – Switch Selectable
Response Time	3-5 Seconds to 1 sq. ft. n-Heptane fire at 100 ft. 3-10 Seconds to 1 sq. ft. n-Heptane fire at 200 ft.
Spectral Sensitivity	Ultraviolet: 185 - 260 nanometers Visible: 400 - 700 nanometers Near Band IR: 0.7 - 1.1 microns Wide Band IR: 1.1 - 3.5 microns
Operating Voltage	24 VDC nominal (18-32 VDC) - Regulated
Power Consumption	Operating: 83 mA @ 24 VDC nominal
Alarm	133 mA @ 24 VDC nominal
Heater	155 mA – additional Note: Heater will turn on at 0°F (-17°C)
Output Relays	Fire Alarm: SPDT (NO / NC) – De-Energized/Energized, Latching/Non-Latching Fault: SPST (NO) – Normally Energized, Latching/Non-Latching Auxiliary: SPDT (NO / NC) – De-Energized/Energized, Latching/Non-Latching Contacts rating: 1 amp @ 24 VDC
Analog Output	0 - 20 mA stepped - Source or Sink User Selectable
Loop resistance	50 - 400 Ohms
Communication	One of the following – User Selectable: • RS-485, ModBus Protocol • RS-485, FireBus II • RS-485 Special (optional) • HART, Optional plug-in module
Visual Indications	Blue LED: Power Red LED: Alarm Yellow LED: Fault
Temperature Range	Operating: -40 to +185°F (-40 to +85°C) Storage: -67 to +230°F (-55 to +110°C)
Humidity Range	5 to 98% relative humidity, non-condensing
Vibration	Meets or exceeds MilSpec 810C Method 514.2, Curve AW12
Wiring	14 AWG (2.5mm ²) to 22 AWG (0.326mm ²); Shielded Cable Recommended
Conduit Entries	Standard: Two 3/4" NPT or two M25
Enclosure Materials	Copper-Free Powder Coated Aluminum or 316 Stainless Steel
Enclosure Type	NEMA 4 & 4X, IP66
Certifications	FM: Class I, Div. 1 & 2, Groups B, C, & D; Class II, Div. 1 & 2, Groups E, F, & G; Class III ATEX: II 2 G D; Ex d IIC T4 (Ta: -40 to +110°C), T5 (Ta: -40 to +75°C), T6 (Ta: -40 to +60°C) CE: Complies with EN6100-6-4 & EN50130-4
Shipping Weight	Aluminum: 3.6 lbs (1.6 kg) Stainless Steel: 7 lbs (3.2 kg)
Mounting	Swivel Bracket Assembly - Optional
Warranty	Three years from date of shipping

General Dimensions Side and Back Views (All Dimensions in Inches)



Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.