

Fire Sentry FS10-R SPECIFICATIONS



Multi-Spectral Electro-Optical “Unitized” Flame Detector

General Specifications	
Sensitivity	45 ft. and 30 ft. to a 1 sq. ft. gasoline fire*
Response Time	Alert: 0.3 second (response to “fireball” type fires) Fire Early Warning: 1 second (early response to a fire alarm) Fire Alarm: Less than 5 seconds (if fire continues)
Field of View	90° (± 45° horizontal and vertical)
Spectral Sensitivity	Visible: 400 – 700 nanometers Near Band IR: 0.7 – 1.1 microns Wide Band IR: 0.7 – 3.5 microns
Input Power	24 VDC nominal (18-32 VDC) - Regulated
Power Consumption	Normal: 85 mA (typical); Alarm: 120 mA (typical)
Output Relays	Alert/Early Warning: SPST, N.O.* Fire Alarm: SPST, N.O. Fault: SPST, N.O. with no power Contact ratings: 1 amp @ 24 VDC
Normal Operation	Fault relay is Energized, Non-Latching All other relays are De-energized Fire and Alert relays are available Latching or Non-Latching
Operating Temperature	Operating: -40° to +185°F (-40° to +85°C)
Humidity Range	10% to 90% relative humidity, non-condensing
Weight	Aluminum: 3.8 lbs (1.7 kg)
Enclosure	Copper-Free Powder Coated Aluminum or optional 316 Stainless Steel; NEMA 3, 4 and 4X
Conduit Entries	Two ¾” NPT
Certifications	Explosion-Proof; Class I, Div. 1 & 2, Groups B, C, & D Class II, Div. 1 & 2, Groups E, F, & G Class III FM, CE
Dimensions	4.81 in. diameter; 4.65 in. deep
Mounting	Swivel Bracket Assembly - Optional
Warranty	Two years from date of shipping

* Detectors set at the 45-foot sensitivity setting do not have the Alert/Fire Early Warning output available.

Find out more

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