

## Fire Sentry FS10-R SPECIFICATIONS



### Multi-Spectral Electro-Optical “Unitized” Flame Detector

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

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