

Fire Sentry FS System 10 SPECIFICATIONS

Process Control Flame Detection System



Wall-Mount Controller	
Enclosure	NEMA 12 painted steel gasketed enclosure with welded seams. Enclosure is keyed lock.
Size and Weight	12.79 inches wide, 16.25 inches high, 3.56 inches deep, 15 pounds (approx.)
Display & Indicators	Normal - Green LED; FAULT – Yellow LED; ALERT/FEW – Orange LED; ALARM – Red LED; 24 characters per line, two line, backlit LCD display for Status and Diagnostics
Power Consumption	Normal: 85 mA (typical); Alarm: 120 mA (typical)
Temperature Range	Operating: 32° to 122°F (0° to 50°C); Storage: -4° to 158°F (-20° to 70°C)
Power Requirements	Option 1S-120-GF: 120 Vdc nominal; ±10%, 0.22 amps (25 watts) nominal Option 1S-240-GF: 240 Vdc nominal; ±10%, 0.11 amps (25 watts) nominal
FirePic™	6 total, each 8 seconds duration
Number of Detectors	1 or 2 detectors per controller
Card Controller	
Enclosure	NEMA 1 steel enclosure
Indicators	Four (4) status LED's for NORMAL OPERATION, ALERT, FIRE EARLY WARNING (FEW), FIRE ALARM, and Fault conditions.
Input Power	24 volt DC (+10/-15%)
Power Consumption	65 milliamps, at 1.6 watts nominal.
Output Signal Relays	2FL: ALERT/FEW NO, ALERT/FEW NC, FIRE ALARM NC, FAULT NC/NO 2GF: ALERT/FEW NC, FIRE ALARM NO, Minor FAULT NC, Major FAULT NC/NO 2WE: ALERT/FEW NO, FIRE ALARM NO, Minor FAULT NO, Major FAULT NC/NO 2WL: ALERT/FEW NO, ALERT/FEW NC, FIRE ALARM NO, FAULT NC/NO
Relay Contact Ratings	1 amp @ 24 VDC
Operating Temperature	+32° to +122°F (0° to +50°C)
FirePic™	6 total, each 8 seconds duration
Detector	
Sensitivity	Standard sensitivity 15 ft. Optional 30 ft. or 45 ft. sensitivity available. Please specify when ordering.
Response Time	Alert: 0.3 second (response to "fireball" type fires) Fire Early Warning: 0.5 second (early response to a fire alarm) Fire Alarm: 4 seconds (if fire continues)
Field of View	90° (±45° horizontal and vertical)
Weight	Aluminum: 3.8 lbs (1.7 kg)
Operating Temperature	-40° to 185°F (-40° to 85°C)
Humidity Range	5 to 95% RH, non-condensing
Enclosure	Copper-Free Powder Coated Aluminum or optional 316 Stainless Steel; NEMA 3, 4 and 4X
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
Spectral Sensitivity	Visible: 400 – 700 nanometers Near Band IR: 0.7 – 1.1 microns Wide Band IR: 0.7 – 3.5 microns
Conduit Entries	Two ¾" NPT
Dimensions	4.81 in. diameter; 4.65 in. deep
Mounting	Swivel Bracket Assembly - Optional
Warranty	Two years from date of shipping

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