Honeywell

Fire Sentry FS17X™ SPECIFICATIONS

Infrared Electro-Optical Fire and Flame Detector

Mechanical Specifications	
Housing Material	Polypropylene
Physical Dimensions	4.7 in. Height; 3.2 in. Width; 1.7 in. Depth
Weight	1 lbs. 4oz. With standard 20 ft cable (0.57 kg)
Enclosure Rating	IP66 / IP67
Electrical Specifications	
Input Voltage Range	18 Vdc to 32 Vdc
Normal Operation Current	47 mA (nominal)
Max Fire ALARM Current	88 mA (maximum)
Relay Contact Rating	1 Amp @ 24 Vdc resistive
Analog Current Output	400 Ohms Max Load (loop resistance)
	0.0 to 20.0 mA (Non-Isolated, Current Sinking) 0.0 mA (<0.6 mA) = Detector Fault 2.0 mA (±0.6 mA) = Dirty Detector Window Lens 4.0 mA (±0.6 mA) = Normal, Safe (no Fault, no Fire) 20.0 mA (±0.6 mA) = Fireball or Fire ALARM 20.0 mA (±0.6 mA) = Fire ALARM or Verified Fire ALARM
Cable	8 Conductor 24 AWG or 14 Conductor 24 AWG
Maximum Cable Length	1,400 feet
Environmental Specifications	
Operating Temperature	+32° F to +158° F (0° C to +70° C)
Operating Humidity Range	0 to 95% RH, 100% RH condensing for short periods of time
Storage Temperature	-13° F to +170° F (-25° C to 77° C)
Performance Specifications	
Field of View	120° Horizontal and Vertical (conical)
Detector Sensitivity	High 1 sq. ft. heptane fire at 30 feet (± 60° from axis) Low 1 sq. ft. heptane fire at 15 feet (± 60° from axis)
Speed of Response	Less than 5 seconds (typical)
Quick Response	Less than 0.5 seconds to “fireball” type fires
Spectral Sensitivity	VIS 0.4 to 0.7 micron wavelengths NearBand IR 0.7 to 1.1 micron wavelengths WideBand IR 1.1 to 3.0 micron wavelengths
Area Classifications	
	Class I, Division 2; Class I, Zone 2

Find out more
www.honeywellanalytics.com
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