Fire Sentry SS3 Fire and Flame Detectors

Honeywell





Digital Multi-Spectrum Electro-Optical Fire and Flame Detectors

Fire Sentry SS3 Detectors





Features:

- Multi-Spectrum™ senses energy in the ultraviolet, Visible and Wide Band Infrared™
- False alarm immunity
- Detects hydrocarbon and non-hydrocarbon fires
- Microprocessor based algorithms: FirePic™ and Tri-Mode Plot™
- Wide field-of-view
- FS2000™ System compatible or stand alone operation
- Compatible with approved fire alarm panels

Applications include:

- Warehouses
- Convention Centers
- Computer Rooms
- Hospitals
- Telephone Switching Stations

Fire Sentry SS3 Multi-Spectrum Optical Fire and Flame Detectors are fast reacting, digital, reprogrammable, computerized — smart technology.

The Fire Sentry SS3 fast-reacting, Ultraviolet (UV), Wide Band Infrared (IR) and Visible spectral brand electro-optical digital fire and flame detectors are designed to alarm on all types of fires. They have an alarm range of 30 ft for a one square foot gasoline reference fire with a 120° circular field of view coverage.





Fire Sentry SS3 Detectors





To eliminate common nuisance false alarms that occasionally occur with UV-only, IR-only, Dual IR or Dual Mode UV/IR detectors, the Fire Sentry SS3 detectors' FireLogic signal processing requires that UV, visible and Wide Band IR radiant energy all be evaluated before declaring a fire. The smart detector utilizes real-time signal processing algorithms that are optimized to alarm on all types of fires, while virtually eliminating the possibility of false alarms.

The Fire Sentry SS3 detectors perform the same whether they are connected to the FS2000 Fire Early Warning System (with CM1-A Controller and FireBus) or whether they operate in the stand-alone mode. The only difference between FS2000 System model and the stand-alone models is how each is wired.

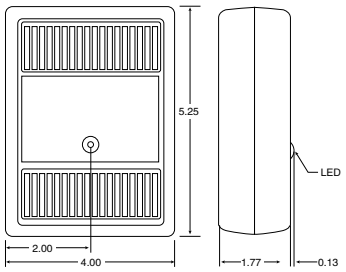
The Fire Sentry SS3 detectors are available in latching (Fire Sentry SS3-A) and non-latching (Fire Sentry SS3-AN) models.



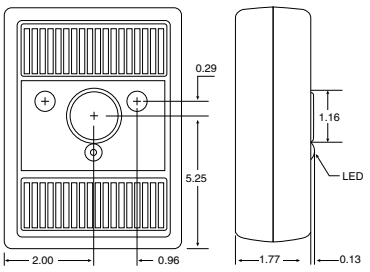


General Specifications	
Sensitivity	1 sq. ft. gasoline fire at 30 feet within 5 seconds
Response Time	2-5 seconds to 1 sq. ft. of gasoline fire at 30 ft.
Field-of-View	SS3-A (UV/IR):120 degrees cone of vision (±60 degrees from on axis) SS3-AB (UV): 180 degrees cone of vision (± 90 degrees from on axis)
Spectral Sensitivity	Ultraviolet: 185 to 260 nanometers Wide Band Infrared: 0.7 to 3.5 micrometers (SS4-A only) Visible: 400 to 700 nanometers (SS4-A only)
Input Power	24 VDC nominal 12V minimum, 28V maximum
Power Consumption	18 mA normal operation, typical 55 mA alarm condition, typical
Output Relays	**Fire Alarm Relay:** NO & NC contacts Latching / Non-Latching, switch selectable Relay contact ratings: 0/5A at 120 VAC, 1.0A at 24VDC Fire alarm relay is de-energized during normal operation
Operating Temperature	Operartion: -32 to 170°F (0 to 77°C) Storage: -4 to 185°F (-20 to 85°C)
Housing	NEMA 1 high impact ABS; general purpose indoor use only
Weight	12 ounces (0.340 kg)
Dimensions	4 x 5.25 x 1.75 in.
Mounting	Installs on a wall, ceiling, etc. with the included mounting bracket or on two properly spaced panhead screws using the Detector's double keyhole
Warranty	One years from factory shipping date



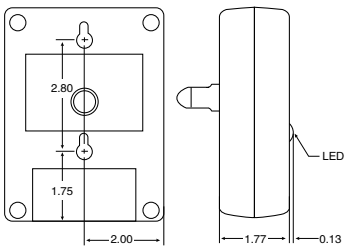


GENERAL DIMENSIONS



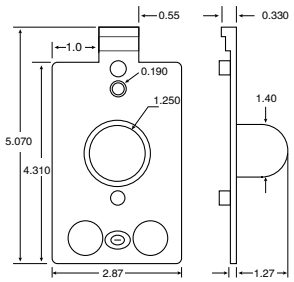
SS3-A & SS3-AN Front

SS3-A & SS3-AN Side



Rear View SS3-AB & SS3-ABN

Side View SS3-AB & SS3-ABN



SS3-AB & SS3-ABN Domed Mounted Bracket

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SS01142_v1 09/12
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