

## Honeywell Analytics Fire Sentry SS2-AM Ultra High Speed Multi-Spectrum Electro-Optical Digital Flame Detector

### General

The Fire Sentry SS2-AM represents the world of pre-eminent Ultra-High Speed UV/IR technology for Electro-Optical fire and flame detectors, successfully operating in a multitude of installations worldwide. This detector senses radiant energy in the Ultraviolet (UV), Visible and Wide Band IR™ spectrum. The radiant energy from all types of flaming fires will alert the detector to their presence.

The field-of-view is the widest in the industry with a 120° cone of vision. This means each detector can cover more hazardous area.

### Features

- Multi-Spectrum™ senses energy in the ultraviolet, Visible and Wide Band Infrared™
- Detects hydrocarbon and non-hydrocarbon based fires & explosions
- Wide field-of-view and solar-blind
- Greatest sensitivity with false alarm immunity
- Microprocessor based algorithms: FirePic™ and Tri-Mode Plot™
- Wide temperature range of operation
- Explosion-Proof housing
- Ultra-High speed response to explosive fires
- Compatible with approved fire alarm panels



**SS2-AM**

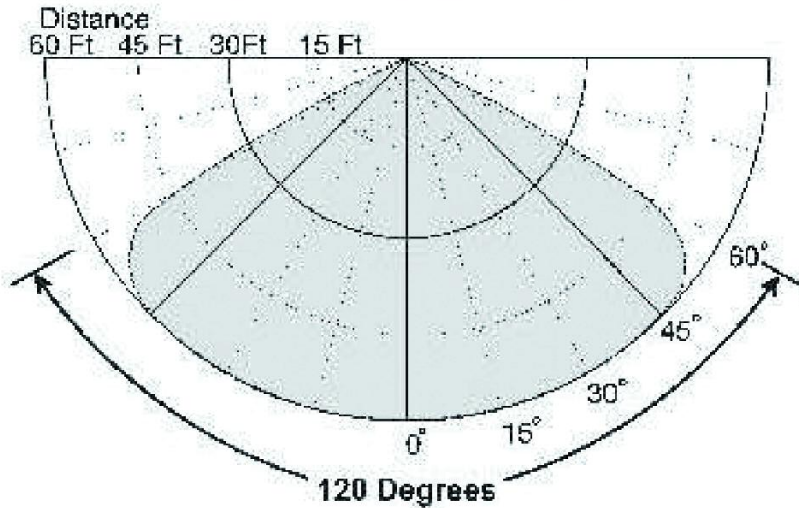
### Applications

- Munitions production
- Explosives production
- Manufacture of other explosive material
- Silane & Hydrogen gas storage

### Compatibility

Fire Sentry SS2-AM is compatible with the following Silent Knight FACP's:

- IFP-1000ECS
- IFP-100ECS
- IFP-2000VIP
- IFP-2000
- IFP-1000
- IFP-100
- IFP-50



Field of view, Horizontal and Vertical  
Sensitivity to 1 sq. ft. Gasoline Pan Fire

## Specifications

Sensitivity 1 sq. ft. of gasoline fire at 60 ft. within 5 seconds

Response Speed 3.9 milliseconds to explosive Fire

Field-of-View 120 degrees cone of vision (60 degrees from on axis)

Spectral Sensitivity  
Ultraviolet: 185 to 260 nanometers  
Wide Band Infrared: 0.7 to 3.5 micrometers  
Visible: 400 to 700 nanometers

Input Power 24 VDC nominal (20.4 to 34 VDC)

Power Consumption 56 mA normal operation, typical  
68 mA alarm condition, typical

Relay Outputs **Fire relay:** NO & NC contacts  
Latching / Non-Latching, factory set

**Fault relay:** NO & NC contacts  
Relay contact ratings:  
0.5A to 120 VAC, 1.0A @ 24 VDC

Operating Temperature -40 to +185°F (-40° to 85° C)

Humidity Range 10 to 90% RH, non-condensing

Weight 3.8 pounds

Electrical Classification  
Explosion-Proof  
Class I, Div. 1 & 2, Group B, C, & D  
Class II, Div 1 & 2, Groups E, F & G  
Class III.

Mounting Swivel bracket assembly

## Ordering Information

SS2-AM High Speed Detector, non-latching

## Accessories

- FT-2045 Explosion-proof Test Lamp
- SM2 Heavy duty Swivel Mount



**SILENT  
KNIGHT**

by Honeywell

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. [www.farenhyt.com](http://www.farenhyt.com)