



**Electro-Optical
Fire and Flame Detector**

Fire Sentry FS7 Detectors



Features:

- Multi-Spectral digital electro-optical radiant energy infrared fire detector
- Unique two-stage fire detection response
- Immune to false alarm sources
- NOT affected by absorbing smoke, gasses or chemical vapors
- NOT sensitive to background radiant energy from electric heaters and ovens
- Detects hydrocarbon and non-hydrocarbon fires
- Rugged leak-proof, heat-sealed, acid-resistant, injection-molded polypropylene housing
- Wide 120° field-of-view
- Digital communication with RS-485 interface
- FirePic™; time and date-stamped digital fire signatures
- Built-in detector automatic self test
- Unitized model design for stand-alone operation

Applications include:

- Open Areas of Clean Room
- Wet Bench Working Surface
- Wet Bench Subsurface (Plenum)
- Pumps and Equipment Located Behind the Wet Bench Area
- Under-floor Areas
- IPA Stations (Unitized model only)

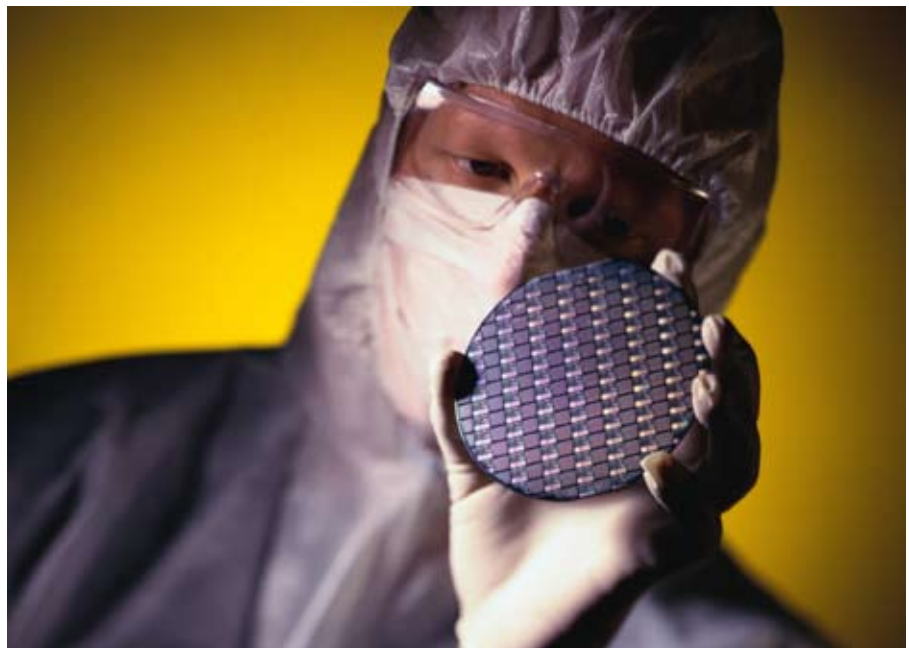


The Fire Sentry FS7-2173 electro-optical radiant energy fire detector – and the Fire Sentry FS7-2173-2RP (unitized model) with multi-spectral WideBand IR™, Near Band IR and Visible Band fire detection are designed specifically for semiconductor Clean Room fire protection applications.

The Fire Sentry FS7 fire detector provides an intelligent two-stage response to semiconductor wet bench fires:

Stage 1: Alert. This is the first-stage response to a small fire with a heat energy output of 3 kW (the equivalent of a 4-inch diameter polypropylene pool fire). This allows time for the fire to self-extinguish.

Stage 2: Alarm. If the fire does not self-extinguish, and grows to the Factory Mutual specified heat energy threshold of 13 kW (the equivalent of an 8-inch diameter polypropylene pool fire), the second-stage response is activated.



Fire Sentry FS7 Detectors



The Fire Sentry FS7-2173 is used with Fire Sentry FS7-130-SX Controller or Control Panel FSWB. Controller and Control Panel supply power to detectors monitor the status of all detectors and communicate with the detectors via the digital RS-485 communication channel. Fire Sentry FS7-2173 is supplied with a standard 20 ft. cable connector. Detectors are connected to the controller or control panel using the self-locking connectors and Fire Sentry junction boxes. This allows for fast and easy connections eliminating wiring problems. Each detector can store up to six time and date stamped FirePics™ (pre-event multi-spectral sensor array data) in non-volatile memory. Controller and control panel can also store event history table in the non-volatile memory, which contains the time and date stamped alert, alarm and fault histories. FirePics™ and event histories can be retrieved from the controller or control panel.

Fire Sentry FS7-2173-2RP unitized model's microprocessor, with digital signal processing algorithms, continuously monitors the circuitry, sensor's built-in self-test and verifies proper operation. Fire Sentry FS7-2173-2RP with discrete relay outputs is designed to operate as a stand-alone detector and interface with any approved fire alarm panel. The detector requires an external 24 VDC power source and is supplied with a standard 20 ft. pigtail cable. It can store up to six time and date stamped FirePics™ and 200 events in non-volatile memory. FirePics™ and event histories can be retrieved using a Fire Sentry FS7 Interface Kit and the Fire Sentry Windows-based PC software.



Honeywell Analytics Lines of Business



Commercial

Gas detection from standalone units to fully engineered, multi-point systems, all offering cost-effective regulatory compliance

- » Applications: parking structures, chillers, mechanical rooms, office towers, commercial buildings, shopping centers, swimming pools, golf courses, schools and universities, laboratories

Industrial

Renowned Sieger and Manning gas detection systems with advanced electrochemical, infrared and open path sensing technologies

- » Applications: oil and gas, cold storage, water/wastewater treatment, chemicals, engine rooms, plastics and fibers, agriculture, printing and light industrial

Portables

Single or multi-gas Lumidor and other premium detectors with compact, lightweight designs ranging from simple alarm only units to advanced, fully configurable and serviceable instruments

- » Applications: underground utility and electricity ducts, boiler rooms, post-fire sites, sewers, industrial plants, industrial hygiene, first responder teams, remote fleets

Find out more

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High Tech/Government

A complete portfolio of gas and chemical detection instrumentation including infrared spectroscopy (MST) with no cross interference, to Chemcassette paper-based solutions (MDA Scientific) offering detection down to parts per billion

- » Applications: semiconductor manufacturing and nanotechnology, aerospace propulsion and safety, specialty chemicals industry, research laboratories, emergency response



Technical Services

24/7 global network includes post-sales service and Systems Integration teams

- » Emergency call out, service contracts, on/off-site repair, training and commissioning
- » Complete range of spares, consumables and accessories

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Fire Sentry Corporation is now part of Honeywell Analytics. As we begin to fully integrate our companies, you might notice some small changes. This integration is about bringing together two of the best in life safety. We are focused on putting our customers first and making the right decisions to guarantee Honeywell Analytics continues to remain the experts in fire and gas safety.

Honeywell