

# Meet the New Problem Solver



## The first fire detector in the industry accurate enough to **KNOW** when a fire is a fire.

An unnecessary evacuation at a live performance venue can carry a tremendous cost in terms of life safety and lost revenues.

The Advanced Multi-Criteria Fire Detector uses sophisticated technology to adjust to changing environmental conditions and respond accordingly. This latest innovation from System Sensor combines FOUR detection methods to monitor the FOUR major products of combustion and respond with exceptional accuracy.

The Advanced Multi-Criteria Fire Detector incorporates:

1. a traditional photoelectric chamber to monitor smoke particles;
2. a thermistor to measure both fixed (135°F) temperatures and rate-of-rise;
3. a carbon monoxide (CO) sensor recognizes the by-products of a smoldering fire that result from incomplete combustion. CO production during a fire can vary from miniscule amounts (alcohol) to significant amounts (smoldering cotton); and
4. an infrared (IR) sensor watches ambient light levels and flame signatures to provide coverage across 360 degrees, giving our detector the unique capability to look into the space, expanding its detection beyond the physical boundaries of the detector itself.

### How it works

If one of the sensors detects a fire condition, the on-board intelligence verifies the condition with another sensor before going into alarm. As site conditions change, an internal algorithm compensates by changing sensor thresholds, sensor combinations, and sampling rates to ensure immediate response to fires and maximum immunity to nuisance alarms.

Unnecessary evacuations carry tremendous cost in terms of life safety and lost revenues. Here are just a few examples where the nuisance alarm discrimination and accuracy provided by the Advanced Multi-Criteria Fire Detector are warranted:

- High capacity entertainment venues
- Performance theatres
- Complex manufacturing operations
- Financial institutions
- Data processing centers
- Medical facilities
- Research and development organizations
- Specific areas prone to nuisance alarms

The System Sensor Advanced Multi-Criteria Fire Detector senses fires in ALL environments and provides the best immunity to nuisance alarm threats. It's accurate. It's precise. It's ideal when it is imperative to **KNOW** when a fire is a fire.

To learn more and receive a specification packet, visit [www.SystemSensor.com/multi](http://www.SystemSensor.com/multi) or call 800/736-7672.



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