

# Meet the New Problem Solver



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

The implementation of emergency response procedures or evacuations at medical facilities can carry tremendous costs 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 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.

Here are just a few examples where the nuisance alarm discrimination and accuracy provided by the Advanced Multi-Criteria Fire Detector are warranted:

- Medical facilities
- Research and development organizations
- Data processing centers
- Financial institutions
- High capacity entertainment venues
- Performance theatres
- Complex manufacturing operations
- 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.



advanced ideas. advanced solutions.™

8 0 0 / 7 3 6 - 7 6 7 2  
[www.systemsensor.com/multi](http://www.systemsensor.com/multi)