

Now Hear This



Continuing to redefine conventional smoke detection:

# The *i*<sup>3</sup> Series...Now with Temporal Tone Sounder and Form C Relay!

The *i*<sup>3</sup> Series now features a complete line of smoke detectors. Standard, Sounder, Auxiliary Form C Relay and Isolated Thermal – the choice is now yours.

The *i*<sup>3</sup> Series features a complete line of smoke detectors and accessories:

## Standard

Most applications call for a standard detector. Whether the installation is an office building, retail establishment, hotel or residence, *i*<sup>3</sup> Series installs easily, reduces nuisance calls, and dramatically reduces inspection and scheduled maintenance costs.

## Auxiliary Form C Relay

When controlling auxiliary functions such as elevator recall or door closure, *i*<sup>3</sup> Series offers both two- and four-wire Form C relay models, available either with or without an integral sounder.

## Sounder

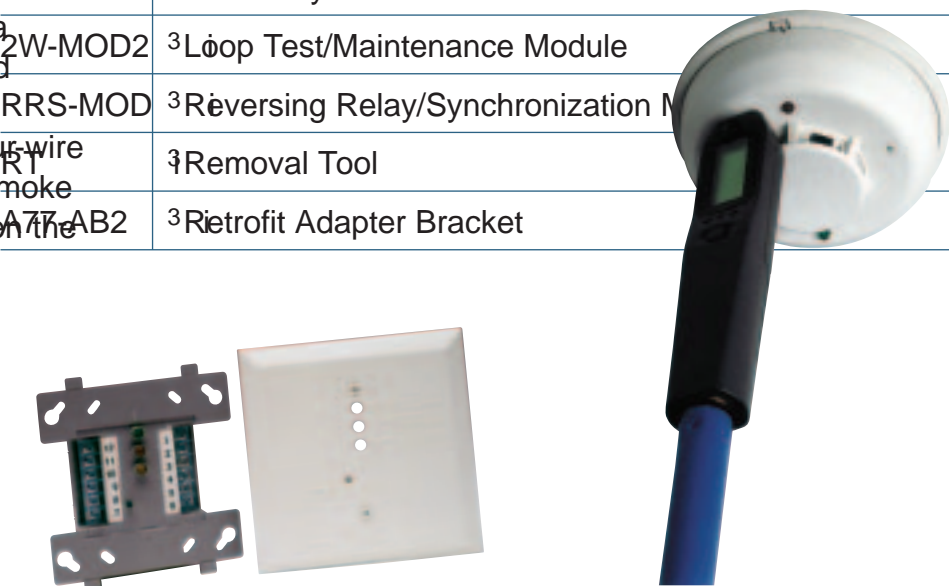
Should the application require an audible output, the *i*<sup>3</sup> Series now offers two- and four-wire sounder models. Ideal for residential applications, these units generate an 85 dBA temporal tone and can easily be synchronized with the reversing relay/synchronization module.

## Isolated Thermal

To differentiate between a local and a general alarm, the *i*<sup>3</sup> Series offers an isolated thermal model. Ideal for dormitories, retirement facilities and lofts, this four-wire model initiates a local alarm when smoke is detected and a general alarm when the thermal sensor is activated.

| Detector | Description  |
|----------|--|
| 2W-B     | 2-wire Standard Detector   |
| 2WT-B    | 2-wire Standard Detector with Fixed 135 $\mu$ Thermal Sensor                     |
| 2WTA-B   | 2-wire Detector with Fixed 135 $\mu$ Thermal Sensor and Sounder                  |
| 2WTR-B   | 2-wire Detector with Fixed 135 $\mu$ Thermal Sensor and Form C Relay             |
| 4W-B     | 4-wire Standard Detector   |
| 4WT-B    | 4-wire Standard Detector with Fixed 135 $\mu$ Thermal Sensor                     |
| 4WTA-B   | 4-wire Detector with Fixed 135 $\mu$ Thermal Sensor and Sounder                  |
| 4WTR-B   | 4-wire Detector with Fixed 135 $\mu$ Thermal Sensor and Form C Relay             |
| 4WTAR-B  | 4-wire Detector with Fixed 135 $\mu$ Thermal Sensor, Sounder and Reversing Relay |
| 4WITAR-B | 4-wire Detector with Isolated Thermal Sensor, Sounder and Reversing Relay        |

| Accessory | Description                            |
|-----------|--|
| SENS-RDR  | Sensitivity Reader                     |
| 2W-MOD2   | Loop Test/Maintenance Module           |
| RRS-MOD   | Reversing Relay/Synchronization Module |
| RT        | Removal Tool                           |
| A77-AB2   | Retrofit Adapter Bracket               |





## Unconventional Detection

Installation Ease. Intelligence. Instant Inspection. These are the guiding principles of System Sensor's i<sup>3</sup> Series photoelectric smoke detectors. Designed to take conventional smoke detectors to a new level, these principles translate directly into significantly lower installation, testing and maintenance costs.

### Installation Ease

Because of its plug-in design, installing i<sup>3</sup> is quick and simple. Efficient wire management and pre-wiring capabilities slash installation time. To complete the installation, simply Stop-Drop 'N Lock™ the head onto the base.

### Intelligence

The i<sup>3</sup> Series offers intelligence through drift compensation and smoothing algorithms to reduce unnecessary maintenance calls. And when a 2-wire i<sup>3</sup> detector needs cleaning, it lets you know, through its remote maintenance signal.

### Instant Inspection

The i<sup>3</sup> detectors' green and red LEDs make status indication more intuitive. And with the i<sup>3</sup> reader, detector sensitivity measurement is precise and complete *within seconds*. Both features reduce inspection time to an instant.

Simply, the i<sup>3</sup> Series' principles translate into lower installation, testing and maintenance costs.

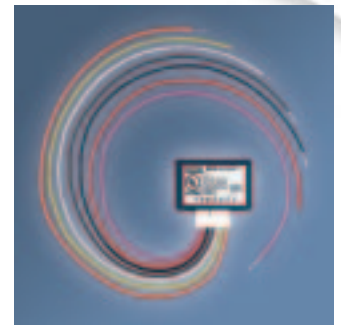
# Accessories



The **i<sup>3</sup> Sensitivity Reader** dramatically simplifies sensitivity measurement. Using an infrared signal, the reader measures i<sup>3</sup> detectors in a matter of seconds and eliminates the need for voltmeters, magnets and a physical connection to the detector. The reader displays sensitivity in terms of percent per foot obscuration and provides a text status indication.



The **i<sup>3</sup> Loop Test/Maintenance Module** optimizes the capabilities of the i<sup>3</sup> Series. The module interprets the i<sup>3</sup> remote maintenance signal, provides a visual indication when a two-wire i<sup>3</sup> detector requires cleaning and transmits the maintenance signal to the panel. The module offers additional capabilities including the EZ Walk loop test, a style D initiating circuit and an interface for two-wire detectors to be used on a four-wire loop.



The **i<sup>3</sup> Reversing Relay/Synchronization Module** serves two key functions when used with i<sup>3</sup> sounder models. The module allows all detectors on the loop to sound when one alarms by reversing the polarity to the detector zone. Additionally, the module synchronizes all detectors on the loop to ensure a clear audible signal.



The **i<sup>3</sup> Removal Tool** makes servicing i<sup>3</sup> detectors simple. The removal tool attaches to a standard extension pole or broom handle, and its design is ideal for high ceiling installations to reduce maintenance time to a minimum.



For retrofit installations, the **i<sup>3</sup> Adapter Bracket** provides a professional finished appearance to cover up unsightly rings or unfinished surfaces. Simply mount the bracket to the back box, align the i<sup>3</sup> mounting base onto it and twist the mounting base to secure.

## About Our Company

At **System Sensor**, innovation is more than an ideal – innovation is our way of life. Every day we work to design new products that utilize the most innovative technologies in the most inventive ways, products that are more convenient to install and more efficient to operate, products that provide our customers with the highest level reliability. In other words, we make it our business to develop advanced ideas that deliver advanced solutions.

System Sensor is a global manufacturer of fire detection and notification devices, specializing in smoke detection and notification technology. System Sensor places a premium on research and development, resulting in products that are reliable, sophisticated and designed for real-world applications. With sales, service and manufacturing facilities throughout the Americas, Europe and Asia, System Sensor's high quality, innovative products are the most comprehensive in the industry.



advanced ideas. advanced solutions.™

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