



Introducing...

3 Unconventional reasons to
change your brand of detector





The Detector That Redefines Conventional Smoke Detection

Installation Ease. Intelligence. Instant Inspection. These are the guiding principles of System Sensor's i³ series of 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



Installation is simplified in every aspect with the i³ series. The i³ detectors incorporate a plug-in design, but without the typical added costs of a plug-in detector. The mounting base included with each detector accommodates standard back boxes or can be mounted directly to the ceiling using drywall anchors. The i³ plug-in base allows pre-wiring of the installation, and its convenient terminal layout enables installers to neatly dress the wires.

To complete the installation, simply secure the head to the base with a Stop-Drop 'N Lock™ motion. This ensures the head will attach in less than one rotation. Turn the detector head clockwise, and it locks securely to the base.

Maintaining i³ detectors is just as easy. To remove the head, rotate it counterclockwise. Do it by hand, or with the convenient i³ removal/replacement tool. The i³ cover and chamber are also removable, to further reduce cleaning time. When finished, Stop-Drop 'N Lock the head onto the base.

intelligence



The i³ series is not the typical conventional detector. In fact, the i³ series includes many of the same intelligent features found in analog detectors. Drift compensation and smoothing algorithms, standard on all i³ detectors, ensure the detectors do not become over-sensitive as they become dusty or dirty.

Measuring the specific sensitivity of an i³ detector is made easy with the unique i³ sensitivity reader. Simply position the reader near the word "PAINT" and it displays sensitivity in terms of percent per foot obscuration. A text message then indicates whether or not cleaning is recommended. Using an infrared signal, the reader eliminates the need for a voltmeter, magnets, counting LEDs and connecting to the detector.

Two-wire i³ models feature both a local and remote maintenance signal that indicates when a detector on the loop needs cleaning. Activated by the i³ loop test and maintenance module, or by any i³ ready control panel, the i³ remote maintenance signal means fewer nuisance calls and reduced maintenance costs.

instant inspection



The third principle of the i³ line is instant inspection. Featuring both red and green LEDs, local status indication is more intuitive with i³ during power up, standby, alarm, test and freeze trouble conditions. And should an i³ detector fall out of sensitivity, the red LED will blink every five seconds. There's no need to count LEDs. With the i³ indicators, you instantly know the detector's condition.

Two-wire i³ detectors also provide loop verification via the EZ Walk loop test feature. The EZ Walk loop test, when used with the 2W-MOD module or i³ ready control panels, verifies the initiating loop wiring by placing all detectors on the loop in test mode, without having to activate the test switch on each detector. LEDs on the module, and on each detector, provide instant status inspection, to further reduce inspection time.



A Complete Solution

The i³ series offers a family of conventional photoelectric detectors and accessories to meet all your detection needs. Complementing the i³ series are accessories designed to optimize the effectiveness and efficiency of the i³ series.

Detector	Description
2W-B	2-wire standard i ³ detector
2WT-B	2-wire standard i ³ detector with fixed 135°F thermal sensor
4W-B	4-wire standard i ³ detector
4WT-B	4-wire standard i ³ detector with fixed 135°F thermal sensor

Accessory	Description
SENS-RDR	i ³ sensitivity reader
2W-MOD	i ³ loop test/maintenance module
RT	i ³ removal/replacement tool
A77-AB2	i ³ retrofit adapter bracket

Accessories



The **i³ Sensitivity Reader** dramatically simplifies sensitivity measurement. Using an infrared signal, the reader measures i³ 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 **i³ Loop Test/Maintenance Module** optimizes the capabilities of the i³ series. The module interprets the i³ remote maintenance signal, provides a visual indication when a two-wire i³ 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 **i³ Removal Tool** makes servicing i³ 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 **i³ 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 i³ mounting base onto it and twist the mounting base to secure.

About Our Company

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.



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It Makes Sense

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