Fire & Life Safety
Product Guide

SYSTEM SENSOR®

Audible/Visible Notification

Beam Smoke Detection

Carbon Monoxide Detection

HVAC Duct Smoke
Detection and Monitoring

Smoke Detection

Fire Sprinkler
Systems Monitoring

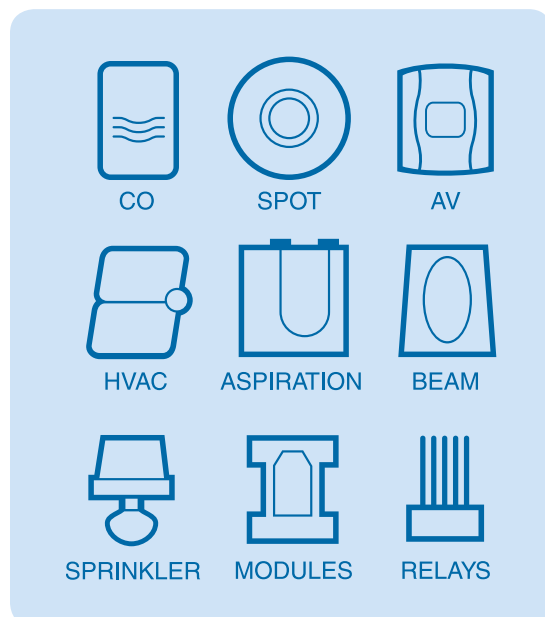ASPIRATION   AV   BEAM   CO   HVAC   SPOT   SPRINKLER   MODULES   RELAYS

Innovation is our **way of life.**

At System Sensor, innovation is our way of life. Every day we design new products that are convenient to install and efficient to operate, providing our customers with the highest levels of reliability. We make it our business to develop advanced ideas that deliver advanced solutions.

Four Areas of Expertise

- **Conventional Detection** – a complete line of smoke detectors, heat detectors, carbon monoxide detectors, and accessories.

- **Audible/Visible Notification** – the SpectrAlert® Advance line, the industry's most refined series of notification devices for fire alarm and ECS/MNS systems.

- **HVAC Systems Monitoring** – the InnovairFlex™ line and other specialty detectors designed to detect smoke in air duct networks.

- **Fire Sprinkler System Monitoring** – products designed to sense the flow of water through the fire sprinkler system piping, and monitor air pressure and valve positions within the system.

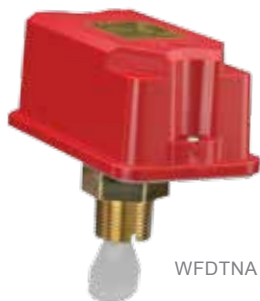| CO	SPOT	AV
HVAC	ASPIRATION	BEAM
SPRINKLER	MODULES	RELAYS

Sprinkler Systems Monitoring

WFDNA Series Water Flow Detector

The WFDNA Series water flow detectors are available in a range of sizes to accommodate fire sprinkler risers from two to eight inches. All units feature vane type paddles and an adjustable mechanical relay.

WFDN20A

T-Tap Series Water Flow Detector

The T-Tap water flow detectors are compatible with one-inch NPT style connections, making them ideal for residential or branch line signaling applications.

WFDTNA

Supervisory Switches

System Sensor manufactures devices for supervising a variety of control valves, including outside screw and yoke, post indicator, butterfly, and rising and non-rising stem gate.

OSY2A

EPS Series Pressure Switches

The EPS Series pressure switches are offered in three varieties and with one or two SPDT contacts. The EPS10 alarm pressure switches are ideal for dry pipe systems, while the EPS40 and EPS120 supervisory pressure switches are intended for supervising air pressure in pipes or pressure tanks.

EPSA10-1

Alarm Bells

The alarm bells offer high output notification in security and fire alarm systems. Six-inch, eight-inch, and ten-inch models are available for 24 VDC and 120 VAC systems.

SSM24-6A

SpectrAlert Advance Ceiling-Mount Strobes

The SpectrAlert Advance ceiling-mount strobes feature a universal mounting plate with preliminary snap-in feature to hold the product in place for the screw attachment, 11 field-selectable candela settings, and dual voltage in one device. SpectrAlert Advance strobes are listed to ULC. Model numbers with a "K" suffix are listed to ULC and NEMA 3R for outdoor use.

SCWA

SCRA

SpectrAlert Advance Ceiling-Mount Horn Strobes

The SpectrAlert Advance ceiling-mount horn strobes are rich with features guaranteed to cut installation time and maximize profits. Features include a universal mounting plate with a preliminary snap-in feature to hold the product in place for the screw attachment, 11 field-selectable candela settings, dual voltage in one product, and rotary switch selectable horn tone and volume settings. SpectrAlert Advance horn strobes are listed to ULC. Model numbers with a "K" suffix are listed to ULC and NEMA 3R for outdoor use.

PC2WA

PC2RA

SpectrAlert Advance Dual Voltage Evacuation Speakers

The dual voltage (25/70.7 Vrms) evacuation speakers feature a plug-in design for reducing ground faults and allowing for fast installation. The low total harmonic distortion of the SP speaker offers high-fidelity sound output while the SPV speaker offers high-volume sound output for use in high-ambient-noise applications. The outdoor models ship with a plastic outdoor back box featuring removable side flanges and improved salt water corrosion resistance. Outdoor products are rated from −40°C to +66°C (−40°F to +151°F) and have a NEMA 3R rating. SpectrAlert Advance speakers are listed to ULC for fire protective signaling systems.

SPWA

SPRVA

SpectrAlert Advance Selectable Output Speaker Strobes

The selectable output speaker strobes offer many features to reduce ground faults and make installation simple, including plug-in design with universal mounting plate, rotary switches for voltage and power settings, 11 field-selectable candela settings, and speakers for high volume. The outdoor models ship with the plastic outdoor back box and are rated from −40°F to +151°F (−40°C to +66°C) for outdoor operation. SpectrAlert Advance selectable output speaker/strobes are listed to ULC. Model numbers with a "K" suffix are listed to ULC and NEMA 3R for outdoor use.

SPSCWVA

SPSRVA

SpectrAlert Advance Sync•Circuit™ Module

The SpectrAlert Advance Sync•Circuit module is designed to simplify installations requiring signal synchronization. The MDL3RA will allow audible and visual signals to be synchronized over long wire runs and can be daisy chained together to synchronize entire facilities.

MDL3RA

Conventional Detection

2012JA Photoelectric Smoke Alarm

Compact, attractive, and easy to install, the System Sensor 2012JA smoke alarm is designed to respond to a broad range of fires while providing maximum stability. This model is non-latching and features 12- or 24-volt operation and a temporal 3 tone making it ideal for applications such as homes, apartment buildings and nursing homes.

2012JA

CO1224A Carbon Monoxide Detector

The CO1224A detector is the industry's first carbon monoxide detector specifically designed for system connection. It is designed to maximize profits and minimize installation costs with code compliant features such as a trouble relay that sends a sensor failure or end-of-life signal to the control panel, and SEMS type terminal Philips-head screws that provide a quick and positive wiring connection while facilitating wiring supervision. The CO1224A unit also features a low current draw, which allows more detectors to be connected to the panel without having to purchase a more expensive panel or extra power supply.

CO1224A

i³ Series™ Photoelectric Smoke Detectors

Installation ease, intelligence and instant inspection are the guiding principles of the System Sensor i³ Series photoelectric smoke detectors. The i³ Series is a complete line – standard, sounder, auxiliary Form C relay and isolated thermal models – featuring plug-in bases, removable covers, remote maintenance signaling, drift compensation and smoothing algorithms, green and red LEDs, and simplified sensitivity measurement.

C2W-BA

100 Series™ Plug-in Smoke Detectors

The 100 Series™ low profile plug-in smoke detectors are ideal for light commercial applications. Offered with a photoelectric sensor, the 100 Series units may be installed with a range of plug-in bases to accommodate a variety of wiring configurations and voltages.

2151A/2151TA / B110LPA

100 Series™ Plug-in Smoke Detector Bases

The 100 Series bases are designed for use with the System Sensor 100 Series plug-in smoke detectors and accommodate 2- or 4-wire loops and 12, 24 or 120 operating voltages to address a broad range of applications.

B112LPA

5600 Series Mechanical Heat Detectors

The 5600 Series mechanical heat detectors offer a low-cost means to protect property against fire and for non-life-safety installations where smoke detectors are inappropriate. To accommodate a broad range of applications, the 5600 Series units are available in a full line of configurations. Single- and dual-circuit models are available with low or high temperature ratings and with fixed temperature or combination fixed temperature/rate-of-rise (ROR) activation.
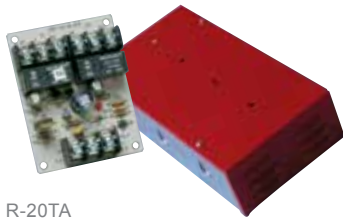
5601A

Conventional Detection

Reflected Beam Smoke Detector

The BEAM1224A Series reflected beam smoke detectors are equipped with both a transmitter and a receiver in one unit. They are easy to install and align with the included reflector. The BEAM1224SA model comes with an integral sensitivity test feature. With six sensitivity levels, the BEAM1224A unit can be set to respond accurately in its respective environment. Plus, with multiple accessories ranging from multi-mounting to device heating, the BEAM1224A detector is capable of protecting any high ceiling area.

BEAM1224A

Multi-Voltage Conventional Relays

The System Sensor multi-voltage conventional relays are used for high-current switching applications such as fan and damper assembly control, door control, air handling unit controls, and other types of building system interfacing.

R-20TA

R-20EA

Conventional Detection Accessories

Complementing the line of System Sensor detection products is a host of accessories designed to enhance installation, testing, operation, and maintenance.

CSENS-RDRA

HVAC Systems Monitoring

InnovairFlex™ Duct Smoke Detectors During a fire, an HVAC system can circulate toxic gasses and smoke throughout a building — unless that building is equipped with InnovairFlex™ duct smoke detectors.

Innovair flex™

D4120PA

Overcome Mounting Constraints – InnovairFlex housings can accommodate multiple installation footprints, including rectangular, square, and anything in between. Reduce Installation Time – Sampling tubes can be installed from the front or back of the detector without the need for tools or hardware. Additional conduit openings, improved wiring space, and high-contrast terminal designations simplify the installation process further.

Simplify Testing and Maintenance – On 4-wire models an easy access test/reset button simplifies system testing, and Power, Trouble, Maintenance, and Alarm LEDs assure quick and convenient status checks. The cover missing trouble signal, now included on all models, assures system integrity.

HVAC Accessories

Duct smoke detector accessories add functionality to the duct smoke detection system by allowing quick, convenient inspections at eye level and effective audible and visible notification options. All System Sensor duct smoke detectors and accessories are ULC listed.

DST 1.5

RTS-AO5

RTS151KEYA

SpectrAlert Advance Mass Notification Devices

The SpectrAlert Advance mass notification devices and accessories combine application versatility with all the time- and money- saving benefits of the SpectrAlert Advance line.

SW-ALERT   SPCWVA-P / LENS-AC

SpectrAlert® Advance Wall-Mount Strobes

The SpectrAlert Advance wall-mount strobe features a universal mounting plate with plug-in design, 11 field-selectable candela settings, and dual voltage in one device. The amber lens strobes provide the distinctive visual signal used for mass notification during non-fire evacuations. SpectrAlert Advance strobes are listed to UL 1971. SW-ALERT and SWH-ALERT amber lens strobes are listed to UL 1638. Model numbers with a "K" suffix are listed to UL 1638 and NEMA 3R for outdoor use.

SRA

SpectrAlert Advance Wall-Mount Horn Strobes

The SpectrAlert Advance wall-mount horn strobe is rich with features guaranteed to deliver cost-efficient installation time. Features include universal mounting plate with plug-in design, 11 field selectable candela settings, dual voltage in one product, and rotary switch selectable horn tone and volume settings. SpectrAlert Advance horn strobes are listed to ULC. Model numbers with a "K" suffix are listed to ULC and NEMA 3R for outdoor use.

P2WA

P2RA

SpectrAlert Advance Mini-Horns

The SpectrAlert Advance series of mini-horn sounders are designed to provide primary and secondary signaling for fire and security applications. They include two volume settings, 12- or 24-volt operation and are compatible with the System Sensor synchronization protocol.

MHRA

MHWZA

SpectrAlert Advance Horns

The SpectrAlert Advance horn includes a universal mounting plate with plug-in design, three volume settings, and a rotary switch used for horn tone selection. SpectrAlert Advance horns are listed to ULC. Model numbers with a "K" suffix are listed to ULC and NEMA 3R for outdoor use.
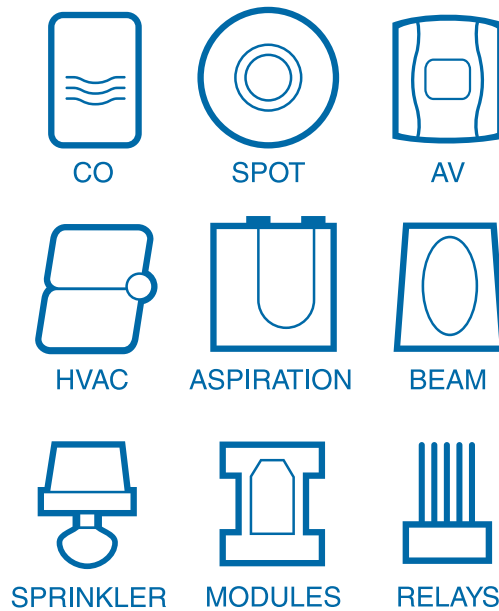
HWA

HRA

SpectrAlert Advance Chime/Strobes

The SpectrAlert Advance chime/strobes feature a plug-in design, seven field-selectable candela settings, and are ULC listed.

CHWA

CHRSA

CO   SPOT   AV

HVAC   ASPIRATION   BEAM

SPRINKLER   MODULES   RELAYS

System Sensor is a global manufacturer of fire and life safety devices, specializing in smoke detection, carbon monoxide detection, and notification technology. System Sensor develops products for real-world applications worldwide. With sales, service, and manufacturing facilities throughout the Americas, Europe, and Asia, System Sensor places a premium on research and development to provide the most reliable, innovative, and comprehensive line of products in the industry.

System Sensor®

www.systemsensor.ca