

THERE'S THE OLD WAY... OR THERE'S THE



BEST-IN-CLASS TANK GAUGE INNOVATION



SiteSentinel® **iSite**™



Leading the Way in Tank Gauge Innovation.



BEST-IN-CLASS TANK GAUGE SYSTEM

BEST-IN-CLASS FEATURE SET

- Brilliant 15" Color LCD Touchscreen Display
- Icon-based Menu Structure
- Internal, USB or Network Printer
- 100 MB Ethernet, USB Communications Ports
- Wireless Communication Capability
- Bluetooth Enabled

BEST-IN-CLASS EXPERIENCE

- Simple to Specify
- Simple to Order
- Simple to Install
- Simple to Use

BEST-IN-CLASS INFORMATION @ POINT-OF-USE

- One Touch Access Display
- Install the Console where You Want it

BEST-IN-CLASS VALUE

- Automatic Device Detection
- Quick Set-up
- Lowest Cost of Installation
- Fewer Wires and Conduits

BEST-IN-CLASS EASE-OF-USE

- The Easiest to Use Tank Gauge in the Industry
- The Most Intuitive
- Minimal Training Required
- Least Amount of Menu Navigation
- Identical User Experience at the Console or on a PC with Web Browser



INNOVATIVE



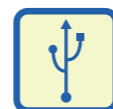
CONVENIENCE



INTUITIVE



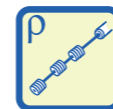
SAVINGS



CONNECTIVITY



WIRELESS



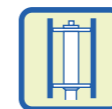
AUTOMATED



ACCURATE



EASY-TO-USE



INSTALLATION



COMPLIANCE



INTELLIGENT



SPEED



INTEGRATION

Console

- Large color touchscreen display gives one-touch access to real-time inventory data, delivery status, alarm conditions and leak detection information all accessible from a single cockpit view
- Monitors up to 256 probes and/or 1024 sensors that can be connected in any combination (32 probes/128 sensors per VSmart module, 8 VSmart modules per system)
- One system handles a mix of horizontal and vertical tanks utilizing rigid and flexible magnetostrictive probe technologies.
- Provides real-time, accurate inventory information to include gross or net-corrected tank volume, product level, water level and temperature for individual tanks
- Available output modules provide multi-purpose relays, which can be used for outputs such as overflow alarms, sensor alarms or for turning on and off external devices
- USB and network printer interface
- SQL database, FTP available for report data
- System provides programmable correction factors for restrapping tanks (1000 points)
- Software is downloadable for easy updates
- System interfaces with many POS devices
- Density measurement capability can be used to more accurately calculate net-corrected volumes and leak test performance
- Automatically send text messages to cell phone, fax and/or e-mail alarms and events
- EPA third party certified 0.2 gph (0.76 lph) and 0.1 gph (0.38 lph) Static Leak Test and 0.2 gph (0.76 lph) Continuous Leak Test (SLD)
- Operating Temperature: 32° F to 122° F (0° C to 50° C)
- Power Requirements: 120/240 VAC ± 10%, 50/60 Hz.
- Communication Ports: 2 x Ethernet, 2 x 485, 4 x 232, 2 x USB, 2 internal USB, modem and wireless
- Internal on main board: 2 outputs and 1 input contacts, external: using OM-4/P relay module, up to 32 relays max., 4 output relays per module, 2 inputs, 8 modules per system

VSmart & Probe Specifications

- Number of Probes: Up to 32 probes per VSmart Module, up to 8 VSmart Modules per SiteSentinel iSite™ Console
- Probe Length: horizontal or vertical tanks Up to 12 feet (3.7 m) rigid stainless steel, up to 50 Feet flexible PVDF for AST applications
- Probe inputs intrinsically safe magnetostrictive, 1 or 2 floats, + density
- Temperature Precision: ± 0.00210° F (0.00120° C)
- Level Accuracy: ± 0.04% Full Scale
- Temperature Accuracy: ± 0.9° F (±0.5° C)
- Location: Class 1, Division 1, Group D EEx ia IIB T 4
- Temperature Range: -40° F to 158° F (-40° C to 70° C)
- Data Cable: 250' or less (75 m) use Belden 88760 250'-1,000' (76 m to 304 m) use Belden 9182
- Floats: Nitrophenyl 2" (5.1 cm), 4" (10.2 cm) and stainless steel 2" (5.1 cm)

Sensors

- Number of sensors: Up to 128 sensors per VSmart Module, up to 8 VSmart Modules per SiteSentinel iSite™ Console

Temperature Rating for All Sensors Except as Noted

- Operating temperature: -40° F to 140° F 150° F (-40° C to 60° C 65° C)

Mag Sump Sensor Specifications

- Lutoff for Fuel Indication: 1.0" (2.5 cm) in height
- Lutoff for Water Indication: 0.5" (1.3 cm) in height

Discriminating Dispenser Pan Sensor

- Application: Dispenser pans
- Detects/Differentiates: Fuel vs. water
- Product Detection: 1.25" (3.2 cm) fuel only - 1.25" (3.2 cm) fuel on water

Discriminating STP Sensor

- Application: STP sumps
- Detects/Differentiates: Fuel vs. water
- Product Detection: 1.25" (3.2 cm) fuel only - 1.25" (3.2 cm) fuel on water

Discriminating Interstitial Sensor

- Application: Tank interstice
- Detects/Differentiates: Fuel vs. water
- Requires a minimum of 0.625" (1.6 cm) immersion depth to activate

Sump Sensor, Float Switch

- Application: Dispenser pans/transitions
- Detects: Fuel or water
- Requires a minimum of 1.25" (3.2 cm) immersion depth to activate

Hydrocarbon Vapor Sensor

- Application: Dry monitoring wells, double wall tank interstice
- Product Detection: Hydrocarbon vapor

Interstitial Hydrocarbon Liquid with Water Indicator

- Application: Interstitial space of double-wall fiberglass tank
- Differentiates: Fuel vs. water
- Requires a minimum of 0.1" (0.25 cm) of fuel to activate

Liquid Only Interstitial Sensor

- Application: Interstitial space of double-wall tank
- Detects: Fuel or water
- Requires a minimum of 1" (2.5 cm) immersion depth to activate

Discriminating Fuel/Water Monitoring Well Sensor

- Application: Dispenser pans
- Detects/Differentiates: Fuel on water or when water drops below sensor
- Requires a minimum of 0.75" (1.9 cm) immersion depth to activate
- Operating temperature: -4° F to 122° (-20° C to 60° C)



ONE COMPANY. ONE WORLD. ONE SOURCE.

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Certifications



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1 BEST-IN-CLASS – SITESENTINEL iSITE™ CONSOLE

- **Information at Point-of-Use:** One-Touch access display console can be installed where you want it (back office, front of store, wall mount, desktop, at home, thousands of miles away – your choice)
- **Critical Information at Point-of-Use:** Cockpit style presentation of information provides all critical information on the screen in real-time: inventory, deliveries, compliance, and general site status
- **Get Connected:** Specially designed for connectivity now and into the future. Ports include: 2 x ethernet, 2 x 485, 4 x 232, 2 x USB, 2 internal USB, modem and wireless
- **Ease of Use:** The easiest, most intuitive tank gauge system in the industry requiring the least amount of training and the least amount of menu navigation on a 15" touchscreen or your PC
- **Lowest Cost of Installation:** Requires the least amount of wiring, conduits and installation time when used with SiteSentinel iSite™ Smart Sensors and probes or the SiteSentinel iSite™ wireless option
- **Save your Site Settings:** Site settings can be saved offsite and downloaded in event of equipment damage



15" Color LCD Touchscreen Display
One-Wire connection or optional wireless communication

BEST-IN-CLASS – REMOTE ACCESS AND MONITORING

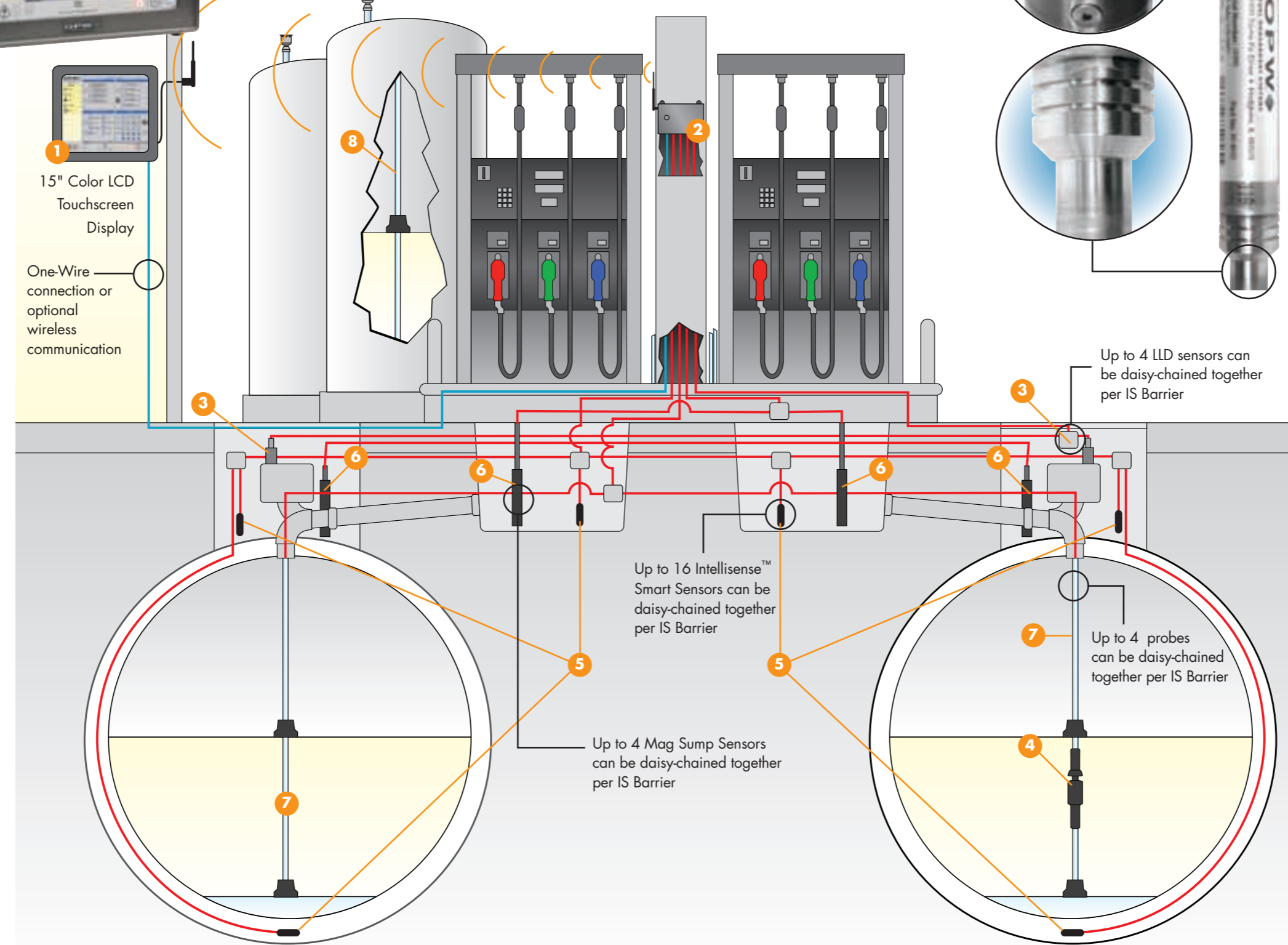
- **Online Access Anywhere @ Anytime:** SiteSentinel iSite™ enables you to monitor your site via the internet when it is necessary or convenient 24/7/365

2 BEST-IN-CLASS – VSMART MODULE

- **Automatic Configuration:** Automatically detects the type of device connected and sends the device information directly from the VSmart module to the SiteSentinel iSite™ console! This feature provides for easy configuration of the site utilizing the Automatic Configuration Detection (ACD) feature built directly into the SiteSentinel iSite™ Console
- **One Wire Connection:** Nothing could be easier... except of course the optional wireless VSmart option
- **The Simplicity of a Wireless Device:** SiteSentinel iSite™ uses Point-to-Point wireless radio technology from the station forecourt to the SiteSentinel iSite™ console inside the building



SiteSentinel iSite™



3 BEST-IN-CLASS – MAGLLD (MAGNETOSTRICTIVE LINE LEAK DETECTION)

- **Fast Leak Test Times:** Collects more data in less time than any other system
- **Highly Accurate Volumetric Measurement Device:** MagLLD measures changes in "volume" per EPA Line Leak Testing requirements
- **Utilizes Proven and Highly Accurate Magneticstrictive Probe Technology**



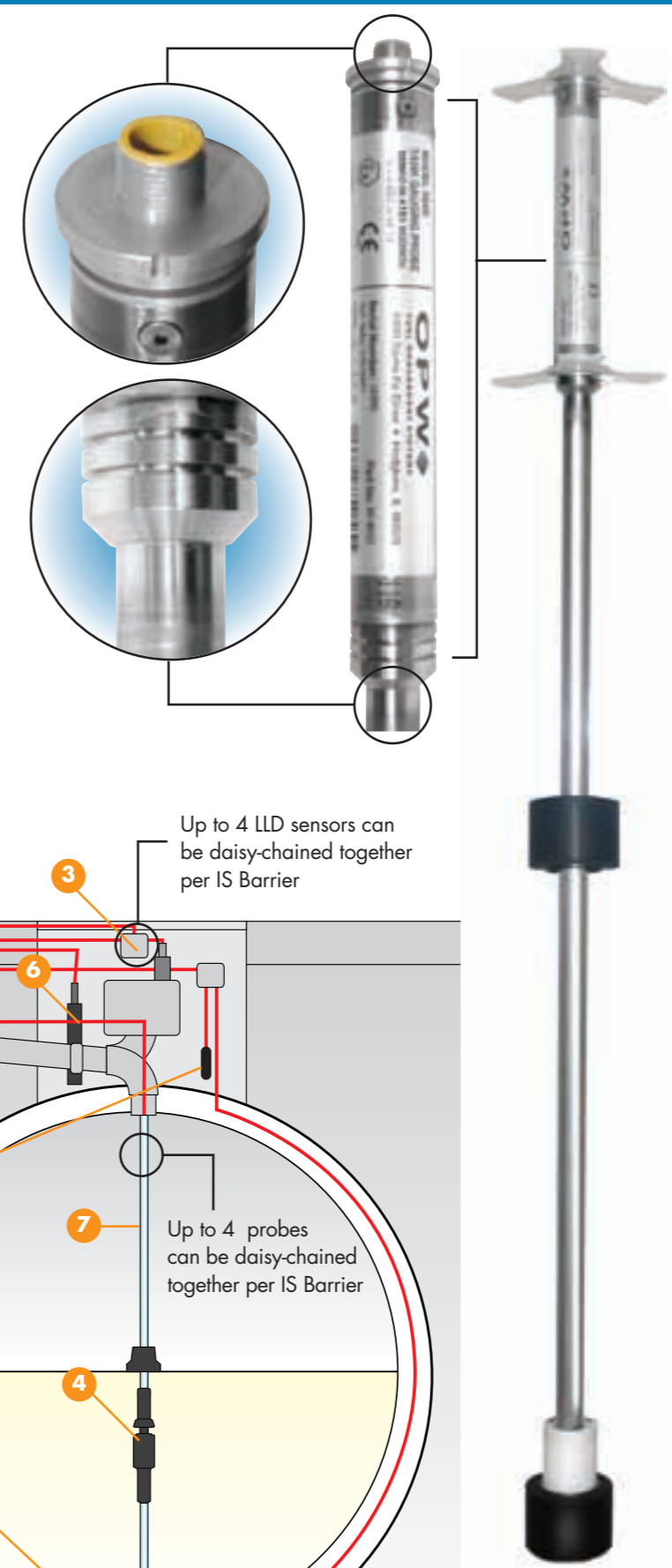
4 BEST-IN-CLASS – DENSITY MEASUREMENT

- **Highly Accurate Multi-point Density Sensing Provides High Level of Accuracy**



8 BEST-IN-CLASS – AST FLEXIBLE PROBE

- **Proven Highly Accurate Magnetostrictive Technology:** For vertical tanks up to 50 foot high



7 BEST-IN-CLASS – 924B MAGPROBE

- **Highly Accurate and Reliable Magnetostrictive Technology:** Provides inventory management and in-tank leak detection for fuel sites
- **Easiest Installation:** Can "daisy-chain" up to 4 probes on one barrier position which makes installation easier and less time consuming
- **Sealed Construction:** Head is welded to the shaft to ensure long-life integrity. Designed to prevent fluid from entering the probe head in the event of a tank overflow

6 BEST-IN-CLASS – MAG SUMP SENSORS

- **Fast Detection Times:** Patent pending float design provides low float lift-off
- **Discriminates** Between fuel and water
- **No Disposal or Replacement Issues:** Will not become contaminated once exposed to fuel. Can be reused without cleaning
- **Installation Accuracy Assured:** Includes "installation sensor" to monitor that the Mag Sump Sensors are properly positioned on the bottom of the sump



5 BEST-IN-CLASS – SMART SENSORS™

- **Easy to Keep Track of Replaced Sensors:** Smart Sensors™ by OPW FMS tell you their connection status, eliminating worries over whether or not sensors are connected to the tank gauge console. The SiteSentinel iSite™ console records serial number, date and time for any sensor replacement or change after the initial system installation
- **Low Cost of Installation:** The SiteSentinel iSite's Smart Sensor™ technology enables sensors to be "daisy-chained" together during installation, eliminating a wiring "home-run" for each sensor back to the console in the building
- **Does not Require Separate Module Boards for Different Sensors:** Smart probes or sensors are interchangeable with any barrier position

