SiteSentinel® VSmart Module

VSmart Expands Probe, Sensor and VLLD Capabilities

Delivers extensive tank-monitoring capabilities through an additional barrier position and multi-drop technology, which reduces wiring and installation costs.

SiteSentinel® VSmart Module

VSmart communicates to your SiteSentinel® Integra 500™ or SiteSentinel® iSite™ through a unique wired, wireless or network connection. VSmart uses multi-drop technology to lower installation costs by allowing installers to use fewer wires between the VSmart, probes and sensors.

Applications

➔ The VSmart and OPW's multi-drop technology deliver extensive tank-monitoring capabilities to the largest fuel sites while reducing wiring and installation costs

➔ Supports up to 32 924B probes or 8 flex probes per module, and 12 Model 327 VLLD Sensors, 16 probes and 64 IntelliSense Sensors per I.S. Barrier

➔ NEMA 4-Rated enclosure enables the VSmart to be located near the tank area, which reduces or eliminates wiring runs back to the tank gauge

MULTI-DROP	WIRELESS	EASY TO INSTALL	SAVINGS
Interfaces probes, sensors and LLDs to compatible tank gauges by multi-dropping through a single I.S. channel	Optional single wireless radio antenna installed aboveground for higher-power signal and assurance of best possible connection	Automatically detects probe, sensor, density float and LLD on any I.S. channel	Lowers installation costs by eliminating multiple wiring (home runs) for probes, sensors or LLDs back to the console in the building

Contact your OPW representative to learn more about the SiteSentinel® VSmart Module today!
Phone: (708) 485-4200 ◆ Fax: (708) 485-4630 ◆ 6900 Santa Fe Drive ◆ Hodgkins, Illinois USA 60525 ◆ www.opwglobal.com

SiteSentinel® VSmart Module

Features

- Optional single wireless radio antenna installed above ground for higher-power signal and assurance of best possible connection

- Automatically detects probe, sensor density float and LLD on any I.S. channel

- Interfaces probes, sensors and LLDs to compatible tank gauges by multi-dropping through a single I.S. channel

- Lowers installation costs by eliminating multiple wiring (home runs) for probes, sensors or LLDs back to the console in the building

- NEMA 4-rated VSmart enclosure

- Optional wireless modem

- Maximum of eight (8) VSmart Modules per SiteSentinel® iSite™ or seven (7) per Integra 500™ console

- Maximum of sixteen (16) 924B probes per I.S. Barrier

- Maximum of 4 AST Flex Probes per I.S. Barrier

- Maximum Number of Probes: Up to 32 Model 924B probes and/or 8 flex probes per VSmart Module

- Probe Length: 924B rigid stainless steel; horizontal tanks up to 12 feet (3.7 m); vertical tanks up to 20 feet (6.1 m) or flexible PVDF for AST applications up to 70 feet (21.3 m)

- Maximum of 64 sensors per I.S. Barrier

- Maximum of 12 Model 327 VLLD Sensors per I.S. Barrier

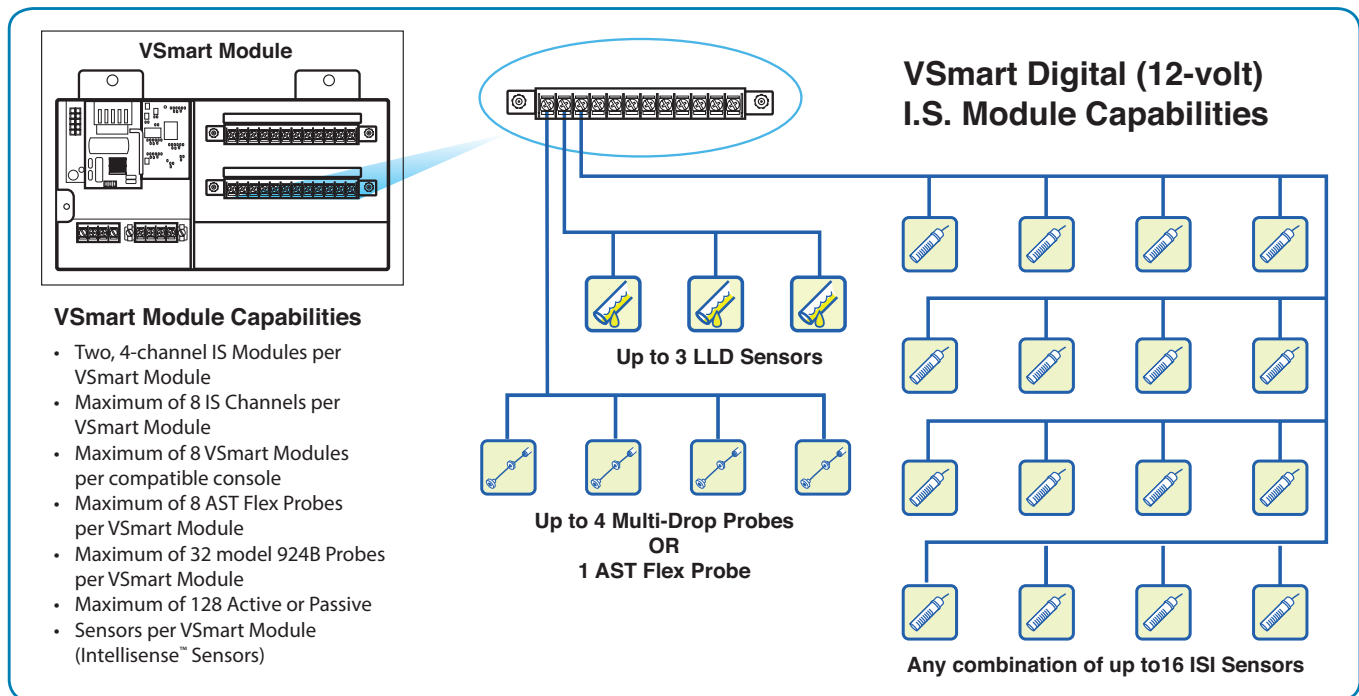- Maximum of 128 sensors per VSmart Module

Specifications

- Probe/Sensor Location: Class 1, Division 1, Group D; EEx ia IIA T4

- Typical Mounting Location: Outdoor – non-hazardous zone

- Operating Temperature: -40°F to 158°F (-40°C to 70°C)

- Data Cable: Belden 88760 (18 AWG) maximum of 1,000 feet (305 m) per barrier position; Belden 88761 (22 AWG) maximum of 500 feet (152 m) per barrier position

- Dimensions [W x H x D]: 11.3 x 5.6 x 5.8 inches (29 x 14 x 15 cm)

- Maximum twisted-pair wiring using RS-485: 5,000 feet (1,524 m)

- Maximum wiring for Ethernet (CAT5/CAT6): 300 feet (91.4 m)

- Wireless capabilities extend up to 1,500 feet (457 m) maximum with free line-of-site

Certifications and Listings

Intertek   Intertek

Intrinisically Safe Module Certifications

VSmart Module

VSmart Module Capabilities

- Two, 4-channel IS Modules per VSmart Module
- Maximum of 8 IS Channels per VSmart Module
- Maximum of 8 VSmart Modules per compatible console
- Maximum of 8 AST Flex Probes per VSmart Module
- Maximum of 32 model 924B Probes per VSmart Module
- Maximum of 128 Active or Passive
- Sensors per VSmart Module (Intellisense™ Sensors)

VSmart Digital (12-volt) I.S. Module Capabilities

Up to 3 LLD Sensors

Up to 4 Multi-Drop Probes OR 1 AST Flex Probe

Any combination of up to16 ISI Sensors

Note: *The VSmart can handle two (2) four-channel I.S. barriers.*

Issue Date
07/01/2016