

The Art of Gas Detection

BESTOBELL
AQUATRONIX

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BEP-Bestobell
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Flammable & Toxic Gas Detectors
Smart Alarm Controllers
Fire & Gas System Engineering
Technical Service & Support



ALARM CONTROLLERS

ViewSmart 200

Two channel controller with serial interface



The ViewSmart 200 Dual channel controller provides simultaneous display and alarm functions for two 4-20mA or bridge sensors. Easy to configure and user friendly, the ViewSmart 200 functions as a critical alarm controller for gas detection system

Features:

- Certified to CSA C22.2 NO. 152 for combustible detection
- Class I, division 2, groups A,B,C,D, CE mark
- Two SPDT common alarm relays configurable for HIGH and WARN or FAULT. Six optional discrete channel alarm relays available
- Graphic LCD displays and alarm LEDs
- Modbus slave RS-485 port
- Available with non-metallic, epoxy coated steel, 316 SS, NEMA 4X (division 2 certified) and NEMA 7 explosion-proof

ViewSmart 400

Four channel controller with serial interface



The ViewSmart 400 Quad channel controller provides simultaneous display and alarm functions for four 4-20mA or bridge sensors. Easy to configure and user friendly, the ViewSmart 400 functions as a critical alarm controller for gas detection system

Features:

- CSA C22.2 NO. 152 for combustible detection
- Class I, division 2, groups A,B,C,D, CE mark
- Graphic LCD displays and alarm LEDs
- Two programmable SPDT alarm relays configurable for HORN, HIGH, WARN or FAULT alarm conditions
- Modbus master/slave RS-485 serial port
- Wireless available
- Six additional 5 amp SPDT discrete programmable relays available
- 4-20mA outputs, event log, strobe lights and audible annunciators also available

ALARM CONTROLLERS

ViewSmart 1600

16 channel alarm controller with Modbus master/slave ports



The ViewSmart 1600 16 channel Modbus master/slave controller provides display and alarm functions for up to 16 monitored variables. Easy to configure and user friendly, ViewSmart 1600 function as a critical alarm controller for gas detection system

Features:

- Certified to CSA C22.2 NO. 152 for combustible detection
- Class I, division 2, groups A,B,C,D, CE mark
- SPDT common alarm relays for HORN, HIGH, WARN and FAULT. Optional alarm relays available
- Graphic LCD displays and alarm LEDs
- Modbus master and slave RS-485 ports
- Available with non-metallic, 316 SS, NEMA 4X (division 2 certified) and NEMA 7 explosion-proof , rack/panel mount

ViewSmart 1600+

16 channel alarm controller with Ethernet web server



The ViewSmart 1600+ controller combines the reliability of our proven Viewsmart 1600 controller with the advanced upgrades of our ViewSmart 6400 channel controller in one low cost package. The ViewSmart 1600+ provides simultaneous display and alarm functions for up to 16 input variables. 8 or 16 channel display modes, and I/O modules arranged in groups of 8 channels, allow economical configuration of systems. This easy-to-configure, user friendly controller is ideal for centralizing display and alarm functions in critical multipoint monitoring applications.

Features:

- 8/16 channel display modes accept inputs from many sensor types and signal ranges. Input types include 4-20mA and Modbus.
- Convenient off site e-mail notification included with daily, weekly summary.
- Wireless Modbus and RC Systems' WaveNet wireless interfaces available
- Ethernet with web server Modbus TCP master/slave
- Two standard Modbus RS485 ports and two optional
- QVGA color LCD displays
- Five standard SPDT 5-amp alarm relays for HORN and FAULT, plus three programmable alarm relays

ALARM CONTROLLERS

ViewSmart 2150S/2150

Single/Dual channel controller with serial interface



* Also available with compact enclosures as **ViewSmart 2050**

The **ViewSmart 2150S/2150** is a single/dual point, standalone gas detector with local audible and visual alarms and large 1" LED display. Used for non-hazardous locations, the **ViewSmart 2150S/2150** inherit the advanced functions and features used in R.C. Systems' site-proven ST-90 dual channel alarm controller.

Features:

- Accepts inputs from one or two local or remote mounted sensors or transmitters
- Three adjustable independent alarm levels per sensor
- Alarm acknowledge for audio alarm silence
- Graphic LCD for configuration and readout displays monitored data as bar graphs, engineering units, and 30 minute trends.
- Large and bright 1" LED display
- Local alarm LEDs flash when alarm set point reached
- Two standard SPDT common alarm relays configurable for HIGH and WARN or FAULT
- Six optional discrete alarm relays are available
- Optional Modbus® slave RS-485 serial port interfaces available
- Non-volatile memory retains all configuration data

ViewSmart 6400

64 channel controller with Ethernet web server



The **ViewSmart 6400** controller provides simultaneous display and alarm functions for up to 64 input variables. 16-32-48-64 channel display modes, and I/O modules arranged in groups of 16 channels, allow economical configuration of systems. This easy-to-configure, user friendly controller is ideal for centralizing display and alarm functions in critical multipoint monitoring applications

Features:

- Certified to CSA C22.2 NO. 152 for combustible detection
- Class I, division 2, groups A,B,C,D, CE mark
- 16-32-48-64 channel display modes
- Ethernet with web server Modbus TCP master/slave
- Two standard Modbus RS485 ports and two optional
- QVGA color LCD displays
- Five standard SPDT 5-amp alarm relays for HORN and FAULT, plus three programmable alarm relays
- Data logger onto SD card
- Available with NEMA 4X , non-metallic, 316 SS, NEMA 7 and rack/panel mount

ENGINEERED PRODUCTS & SOLUTIONS

Sample Draw System

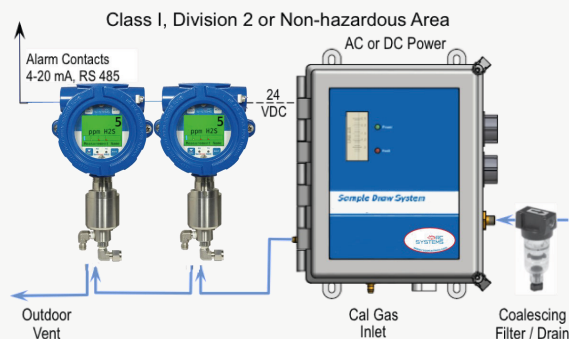
For use with R.C. Systems Fixed Gas Detector



The R.C. Systems Sample Draw System samples air from remote locations pulling a sample to gas detection transmitter (s) and is offered as a diaphragm pumped or an air operated aspirator unit. It is designed for placement in a Class I, Division 2 Hazardous (Classified) area to sample from a Class I, Division 1 Hazardous (Classified) area, Groups C and D. A Division 2 approval eliminates the need for flame arrestors and reduces related maintenance caused by dirt and moisture

Features:

- Class 1, Division 2 Rated for Sampling from a Class 1 Division 1 Area
- FM Listed for NFPA 820 Compliance
- Flow Sensor with Relay that Fails Safe
- Internal Power Switch and Flow Adjust
- 24 VDC Power Source for Gas Detectors
- Long lasting diaphragm pump with DC brushless motor

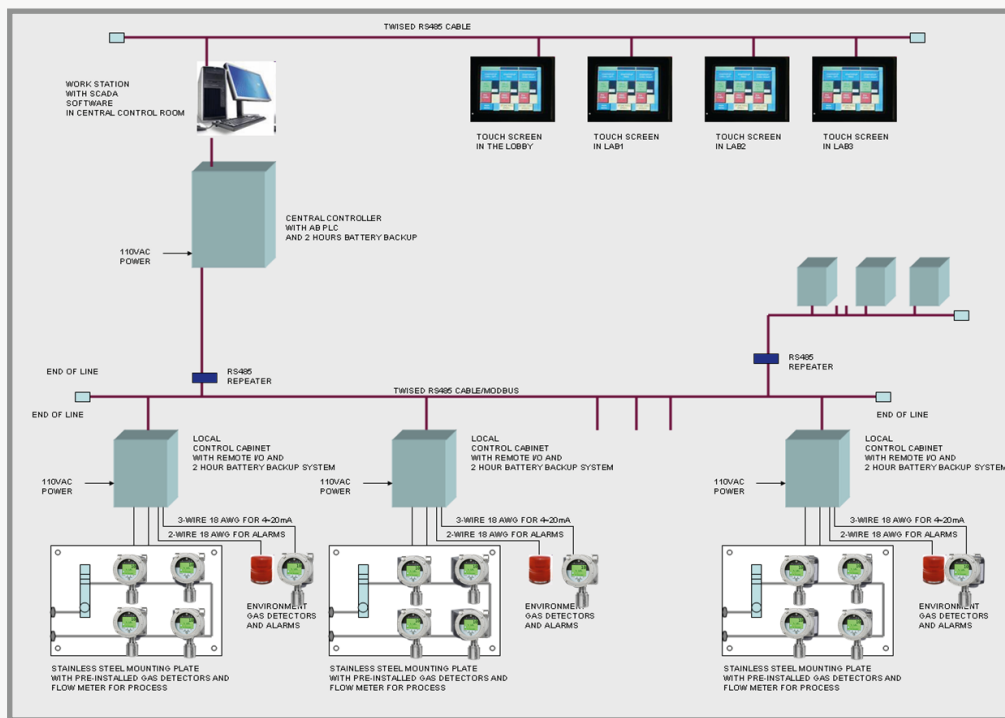


ENGINEERED PRODUCTS & SOLUTIONS

Custom System Solutions



R.C. Systems has a professional engineering team that can provide solutions for fire & gas detection system engineering, from system design with detailed wiring diagram to site startup and commissioning service. We offer not only the standard R.C. Systems' detectors and controllers, but also any other systems required by the customer, such as PLC, HMI, or SCADA system.



ENGINEERED PRODUCTS & SOLUTIONS

ZoneProtector

Multipoint Gas Detection



*ZoneProtector Quad shown with Sample Draw System

Many traditional small gas detection systems consist of several gas detectors, an alarm/readout controller and annunciators. **ZoneProtector** integrates all of these into a single compact unit to provide simple cost-effective solutions; especially for protecting small areas from gas leaks. The **ZoneProtector** provides simultaneous detection, display and alarms for up to four different gases. It supports local or remote mounted Electrochemical, Catalytic Bead, Infrared, and PID sensors for detecting toxics, combustibles and VOCs. It inherits all the features from the popular ViewSmart Dual/Quad controller, including powerful wired/wireless Modbus communications and user-friendly configuration. When combined with a sample draw and conditioning system, such as R.C. Systems' **SampleSmart** products, **ZoneProtector** offers an economical way to detect multiple gases in many harsh and hard to reach areas.

Features:

- Backlit graphic LCD readout
- Scans airwaves for wireless networks
- RSSI values are trended over time and indicated in dBm for each reception
- Rx Client mode allows network observation without affecting installed wireless devices
- Rx/Tx counters allow calculation of missed data packets over time
- Rx mode timer indicates elapsed time between received messages for each channel



*ZoneProtector Dual shown with Diffusion Sensors



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