

ViewSmart 2150S Controller



The **ViewSmart 2150S** Single Channel Controller provides simultaneous display and alarm functions for one monitored variable. Easy to configure and user friendly, the **ViewSmart 2150S** can function as a critical alarm controller for toxic gases, combustible gases, vibration, tank levels and other process values.

ViewSmart 2150S Extended Enclosure

FEATURES

- Accepts inputs from a 4-20mA sensors transmitters, direct electrochemical sensors, or direct catalytic bead sensors. Generates 24VDC external device power for transmitters and other devices
- Three adjustable independent alarm levels per channel. "Relay Acknowledge" feature allows silencing of external audible devices during existing alarm conditions
- Graphic LCD readout displays monitored data as bar graphs, engineering units, and 30 minute trends. Alarm LED's flash when new and become steady after acknowledged
- Two standard programmable SPDT alarm relays are configurable for HORN, HIGH, WARN or FAULT alarm conditions
- Modbus® slave RS-485 serial port interfaces to Modbus® devices such as PCs, PLCs, DCS, and other RC Systems controllers
- Cal Mode offers pushbutton zero / span calibration for direct sensor interface applications
- Authorization mode allows locking of critical configuration variables
- Touch and magnetic keypad are standard for non-intrusive operation in potentially hazardous locations
- Enclosures Include: NEMA 4X Non- Metallic, Epoxy Coated Steel, NEMA 4X 316 SS
- Non-volatile memory retains all configuration data indefinitely
- RS-485 Modbus® slave port for up to 128, devices to be multidropped on a single data highway for interrogation by another Modbus® master
- Six additional 5 amp SPDT discrete channel alarm relays available (two are standard)
- 4-20mA outputs, event log, strobe lights and audible annunciators also available
- 50 and 120 Watt 24VDC power supplies available
- Local and remote mount sensors available
- Six 1" LED segmented displays. Displays 3 most significant digits up to 999

SPECIFICATIONS

Power Supply	100-240VAC @ 10W, 10-30VDC at < 10 watts with relay board (all relays energized)
Display	128 x 64 pixel graphic LCD with backlight displays bar graphs,trends, and engineering units. Six discrete LED's indicate alarm status, CAL MODE, keypad activity Six 1" LED segmented displays. Displays 3 most significant digits up to 999
Inputs	Available inputs include local and remote mounted 4-20mA with precision 100 ohm terminating resistor (0-2 Volt inputs may be accepted by removing the socketed terminating resistor), electrochemical and bridge sensor inputs with adjustable sensor excitation and balance settings
Standard Output	Six programmable,5 amp 30VDC or 250VAC resistive Form C
Optional Outputs	10 bit 4-20mA output. Max load 800 ohms with nominal 24VDC power supply
Environmental	-25 to +60 degrees C
Housing	Nema 4X Extended
Dimensions	14.1"H x 12.14"W x 7.25"D
Warranty	5 year limited warranty (Excludes consumable parts) For sensor warranty see sensor specifications sheet