The **ViewSmart 200** 2 Channel Controller provides simultaneous display and alarm functions for two monitored variables. Easy to configure and user friendly, the **ViewSmart 200** can function as a critical alarm controller for toxic gases, combustible gases, vibration, tank levels and other process values.

**FEATURES**

- Accepts inputs from one or two local or remote mounted sensors or transmitters. 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 SPDT common alarm relays are configurable for HIGH and WARN or FAULT alarm conditions. Optional discrete channel alarm relays are also available.
- Modbus® slave RS-485 serial port interfaces to Modbus® masters such as PCs, PLCs and DCS.
- Cal Mode offers pushbutton zero/span calibration for direct sensor interface applications.
- Authorization mode allows locking of critical configuration variables.
- Touch and magnetic keypad standard for non-intrusive operation in potentially hazardous locations.
- Non-Metallic, Epoxy Coated Steel, 316 SS, NEMA 4X (Division 2 certified) and NEMA 7 Explosion-Proof wall mount packaging options available.
- Certified to CSA C22.2 NO. 152 for combustible detection and Class I, Division 2, Groups A,B,C,D CE Mark.
- 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.
SPECIFICATIONS

INPUTS
Sensor input PCB’s are available for dual bridge sensors, dual toxic (electrochemical), one bridge sensor / one toxic, and dual 4-20mA. All versions may be configured for 4-20mA inputs.

COMMON ALARM RELAYS (STANDARD)
Two programmable, 5 amp 30VDC or 250VAC resistive Form C

ANALOG OUTPUTS (OPTIONAL)
10 bit 4-20mA output. Max load 800 ohms with nominal 24VDC power supply

DISCRETE ALARM RELAYS (OPTIONAL)
Six 5 amp 30VDC or 250VAC resistive Form C

SERIAL PORT (OPTIONAL)
Slave RS-485 port with Tx/Rx LED’s
Protocol is Modbus® RTU

DISPLAY
128 x 64 pixel graphic LCD with backlight displays bar graphs, and engineering units. Six discrete LED’s indicate alarm status for three alarms per channel

AMBIENT TEMPERATURE RANGE
-25 to +60 degrees C

POWER SUPPLY
100-240 VAC / 10-30 VDC are standard primary power supplies

HOUSING OPTIONS
NEMA 4X / IP66 Wall Mount in Carbon Steel, 316 SS, Non-Metallic are approved for Division 2. The NEMA 7 explosion-proof wall mount approved for Division 1 (also meets NEMA 4)

APPROVALS
CSA C22.2 No 1010.1 and C22.2 No.152 for combustibles and ISA S82.02; EN55011 and EN61000 (CE Mark) UL 1604 / C22.2 No 213

90-03 = NEMA 4X = Division 2 Groups A,B,C,D,
90-02 NEMA 7= Division 1 Group B,C,D

OPTIONS/ACCESSORIES
10-0211/2 Two Channel 4-20mA analog input PCB option
10-0222 Optional alarm relay board with six 5 amp Form C relays
10-0223 Dual 4-20mA output option
10-0216 One echem Channel 1 and 1 bridge (Channel 2) sensor input option
10-0219 Dual bridge sensor input option
10-0220 Dual electrochemical sensor input option
10-0253 RS-485 / RS-232 Modbus® RTU interface option
10-0377 100dB piezo audible option
10-0284 Division 2 red xenon strobe light option
10-0285 Division 2 xenon amber strobe light option
10-0316 Division 2 xenon blue strobe light option
10-0314 NEMA 4X/7 Division 1, 50 Watt 24VDC external power supply
10-0315 NEMA 4X Division 2, 50 Watt 24VDC external power supply

*These items only available with NEMA 4X Enclosure

ENCRYPTION OPTIONS
90-03 ViewSmart 200 N4 non metallic extended
90-04 ViewSmart 200 PCS painted carbon steel extended
90-05 ViewSmart 200 SS stainless steel extended
90-02 ViewSmart 200 XP Dual bolt on lid
90-01 ViewSmart 200 CP compact non metallic

ENCLOSURE OPTIONS
90-03 ViewSmart 200 N4 non metallic extended
90-04 ViewSmart 200 PCS painted carbon steel extended
90-05 ViewSmart 200 SS stainless steel extended
90-02 ViewSmart 200 XP Dual bolt on lid
90-01 ViewSmart 200 CP compact non metallic

VIEWSMART 200 NEMA 4X NON-METALLIC WALL MOUNT
VIEWSMART 200 NEMA 4X 316 SS WALL MOUNT
VIEWSMART 200 NEMA 7 EXPLOSION-PROOF WALL MOUNT
VIEWSMART 200 NEMA 4 PAINTED STEEL

ALL DIMENSIONS IN INCHES

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MM-1016/Revision B
"The Art of Gas Detection"