

CR-9600

MODBUS Gas Detection System Controller

"INNOVATORS IN GAS DETECTION"

BW
Technologies



Compatible with BW Technologies' GasPoint and VA301D₂ transmitters



Loop Power

Provides 24 VDC power to the gas sensing transmitter

FEATURES:

For continuous monitoring and control of toxic gases, combustible gases and oxygen hazards, the CR-9600 is designed for installation and operational simplicity.

- ▲ Heavy duty cast aluminum housing
- ▲ Continuous, alphanumeric "status" LCD—122x32 dot matrix display
- ▲ Easy installation - simply hang on the wall, connect the power (DC) and gas transmitters
- ▲ Local 65 dB audible alarm
- ▲ Field programmable alarm levels for each transmitter
- ▲ Simple operation
- ▲ Mix, match or change the gases monitored
- ▲ Four common relays. 5 amp DPDT relays for Fault, Low, High and High/High alarms
- ▲ Visual indicators and audible alarm
- ▲ Simultaneously control up to 96 transmitters and relay modules
- ▲ Automatic quick self-test and warm-up
- ▲ Zoning capability—up to 126 zones, maximum 96 transmitters/zone
- ▲ Datalogging capability



Fixed Gas Monitoring Systems

Ordering Information

CR-9600 MODBUS Multi-point Digital Controller

Compatible with all MODBUS Gas Transmitters

BW Products	Vulcan Products
GasPoint	VA201T
GasPoint IR	VA301D ₂
	VA301IRF
	VA301EM
	90DM ₃ A
	VASQN8X

Note: A digital transmitter is available to interface a 4-20mA transmitter with the CR-9600 Controller

Options

CR-ANN	Remote annunciator panel
FRM-9600	Digital field relay module with 8 relays

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CR-9600

MODBUS Gas

Detection System Controller

Affordable and easy to install

The CR-9600 controller minimizes installation costs by using an addressable RS-485 MODBUS communication protocol. Only two pairs of wires are required to connect all the gas transmitters and relay modules to one of the controller's three input channels. With a total of 96 gas transmitters and relay modules linked to one controller, the CR-9600 Detection System represents the most affordable protection for your gas monitoring requirements.

SPECIFICATIONS

POWER: 24 VDC

ENVIRONMENTAL

Operating Temperature: -4 to +122°F/-20 to +50°C
Relative Humidity: 5 to 99% non-condensing
Enclosure Rating: Nema 4X (in progress)

PHYSICAL

Dimensions (dxwxh): 3.19 x 12.52 x 9.53 inches/8.1 x 31.8 x 24.2 cm
Weight: 2.2 lbs/ 1 kg
Enclosure: Cast aluminum housing—RFI/EMI protected (in progress)
NEMA 4X (in progress)
Wire Terminations: Screw type terminal blocks
Mounting: Wall mounted

ALARMS: Three set points—user programmable
Audible: 65 dB buzzer (typical at 10 ft.)

OUTPUTS: 4 DPDT relays; 5 amp @ 250 VAC/30 VDC,
Alarm Relays: Standard:
One (1) common low gas alarm
One (1) common high gas alarm
One (1) common high/high
One (1) common fault alarm, normally energized, non-latching
Field selectable: energized/de-energized

DISPLAY PANEL

LCDs: Alphanumeric status displays
122 x 32 dot matrix display

LED Indicators: Alarms: Four (4) - "LOW" (red), "HIGH" (red), "HIGH/HIGH" (red), "FAULT" (amber)
Power: Two (2) "ON" AC icon (green), DC icon (green)
Communication: Tx (amber); Rx (green)

CONTROLS:

Seven (7) large pushbuttons: Programming

WARRANTY: Two (2) years non-prorated

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

RATINGS AND CERTIFICATIONS: **CSA** USA Ordinary Locations (in progress)
International Electrical Code: IEC No. 1010
U.S. Standard: ANSI/ISA S82.01
Canadian Standard Electrical Code: C22.2 No. 1010

CE Conforms to European
Union directives
(in progress)

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- 1 Display
- 2 Alarms/Power LEDs
- 3 Keypad



GasPoint



VA301D₂