



Gas Detection Controller

VA301C



Acting as the nerve center of a modular gas detection network, the VA301C provides continuous monitoring of up to 96 inputs/outputs, on three distinct channels, at distances of up to 2000 feet. The VA301C leaves the factory customized to your specific requirements allowing for a plug and play installation. Once installed, this powerful tool provides around the clock protection identifying hazards and triggering appropriate reactive measures such as ventilation activation.

The VA301C provides a full array of displays. At a glance, it is possible to determine the status of the entire network.

Field modifications are a straightforward. A user-friendly menu driven program allows for minor fine tuning of the sequence of operation all the way to the reconfiguring of the entire network.

Since no two projects are alike, the VA301C was designed to be highly customized. Combined with ease of installation, this unit represents the most affordable gas monitoring solution for institutional, commercial and light industrial applications.

For more advanced applications, the VA301CDS Controller provides datalogging capacity within a stainless steel enclosure. The perfect solution for even the most complex of industrial applications.

For ultimate flexibility, the commercial/institutional and industrial versions of the VA301C can be equipped with a BACnet data communication module.

Ordering Information

VA301C	Gas Detection Controller
VA301C-DLC	Gas Detection Controller with Datalogging
VA301CDS	Gas Detection Controller – Industrial Grade with Datalogging

Options	
VAC301BDCM	BACnet Data Communication Module

Protecting your health and your environment.

VA301C

Gas Detection Controller

- Full array of visual indicators and audible alarm
- Multiple fully programmable alarm levels
- Integrated audible alarm
- Programmable time delays
- Failure indicator
- Up to 96 transmitters and relay modules
- Up to 768 events
- No moving parts
- Trouble-free operation
- Quick self-test and warm-up
- Up to 128 zoning groups
- Graphic 122 x 32 Dot Matrix display
- Datalogging capabilities available
- BACnet capability available



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VA301C SPECIFICATIONS

VISUAL INDICATORS:

Normal Operation:	Blinking green LED
Alarm Level 1:	Red LED
Alarm Level 2:	Red LED
Alarm Level 3:	Red LED
Signal Tx:	Blinking amber LED
Signal Rx:	Blinking green LED
Failure Indication:	Yellow LED

User Interface:	Dot Matrix display and keypad
Network capacity:	Three 32 Modbus zones or Two 16 Vulbus zones, one 32 Modbus zone

Communication (length off lines):	Up to 2000 feet (600 m) T-Tap: 65 feet (20 m) max per T-Tap. 130 feet (40 m) max for all T-Tap combined
Relay Output Rating:	5 A, 30 VDC or 250 VAC (resistive load)
Alarm Levels:	Multiple with high and low setpoints
Time Delays:	0, 30 sec., 45 sec., 1-99 minutes before and after alarm
Outputs:	4 DPDT relays (alarms and/or fault), buzzer
Operating Humidity Range:	0-95% RH, non-condensing
Operating Temperature Range:	-4 °F to 122 °F (-20 °C to 50 °C)

GENERAL SPECIFICATIONS

Size:	11.02 x 7.99 x 2.76 inches 28 x 20.3 x 7 cm
Weight:	2.4 lbs. (1.1 kg)
Enclosure:	NEMA 4X Polycarbonate - ABS
Power Requirement:	17-27 VAC, 24-38 VDC, 500 mA

Certified to UL and CSA standards

DUE TO ON-GOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Energy Savings

Vulcain's exclusive alarm management capability can result in significant energy savings. Only Vulcain technology can allow for the activation of alarms based on the average of the values read by a group of transmitters, thus considerably reducing energy loss related to fan operation.

Committed to BACnet

In line with its continuous commitment to technological innovation, and in recognition of the benefits of BACnet, Vulcain introduces one of the industry's first advanced BACnet communication module — the VA301BDCM.



Datalogging Capability

Ideal for long-term datalogging to determine trends, the VA301CDS controller or the DLC option for the VA301C collects data automatically and stores it on a digital flash Multimedia Card (32MB standard). Capacity is extraordinary. Store over 3 months of data given a 10 second interval, one transmitter and a 32 MB card.



Locally Distributed by:

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