



Continuous monitoring of carbon monoxide, nitrogen dioxide, oxygen and combustibles hazards in ambient air

Vulcain 901T CO detector



Inexpensive

- Low installation costs
- Reduced maintenance costs

Enhanced Technology

- Advanced electrochemical sensor helps eliminate false alarms
- Micropower analog technology draws only 30 mA in operation
- Modular, plug-in encapsulated components and plug-in sensor

Reliability

- Loading the 901T points into the APOGEE Automation System allows ease of controlling the gas transmitter without the need to hard wire physical I/O points

The Vulcain 901T transmits informational points, control parameters, PI (Proportional, Integral) parameters and fault information to the APOGEE Automation System. It also offers control over certain digital and analog parameters.

The Vulcain 901T provides continuous monitoring for carbon monoxide hazards in ambient air.

The Vulcain 901T is connected to the APOGEE Floor Level Network (FLN) in order to look as if they were standard APOGEE Floor Level devices. Siemens Building Technologies' FLN protocol is installed on the sensor, allowing direct communication between the Modular Building Controller (MBC) and the transmitter.

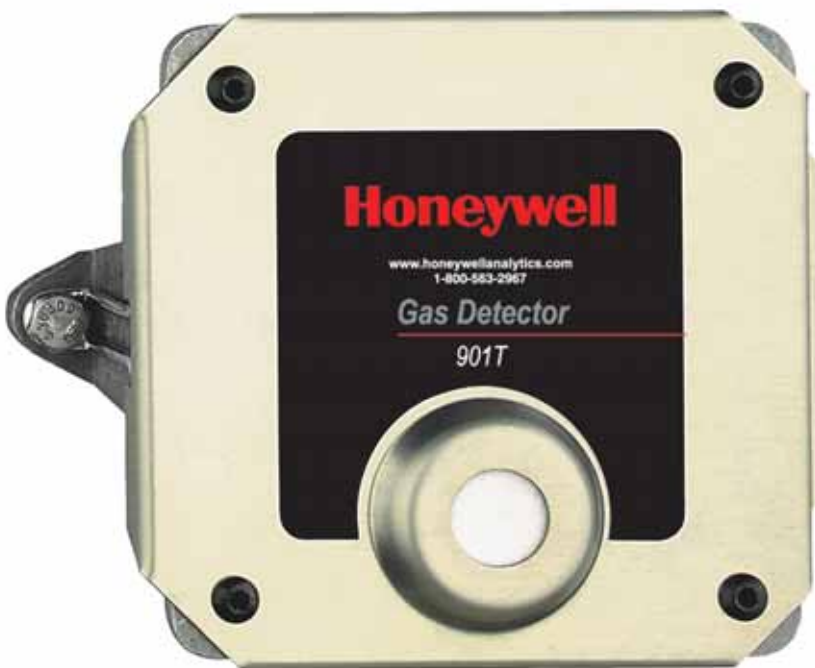
Installation Made Easy

The Vulcain 901T is shipped factory tested and calibrated, ready for immediate installation.

Gas detection equipment is only as good as its sensor. Honeywell Analytics electrochemical sensors provide reliable protection, accurate performance and long life.


Advanced micropower electronic technology delivers superior performance, eliminating false alarms. A built-in FLN ready output is included for direct compatibility with APOGEE.

With a faster response time, the Vulcain 901T provides reliable early hazard warnings at an affordable price.



Technical summary



General Specifications				
Use	Rugged gas detector fully compatible with the APOGEE Floor Level Network (FLN)			
Size	15.25 x 12.5 x 5.75 cm (6.1 x 5 x 2.3 in.)			
Weight	750 g (1.65 lb.)			
Power Requirements	17-26 Vac or 24 Vdc, 100 mA @ 24 Vdc			
Gas Detected	NO ₂ (application 2776) Combustibles (application 2777) O ₂ (application 2778) CO (application 2779)			
Detection Range	Gas	Range	Alarm Level Low	Alarm Level High
	CO	0-250 ppm	25 ppm	200 ppm
	NO ₂	0-10 ppm	0.7 ppm	2 ppm
	Combustibles	0-100% LEL	25% LEL	50% LEL
	O ₂	0-25% vol	19.5% vol	22% vol
Operating Temperature	-40°C to 50°C (-40°F to 122°F)			
Operating Humidity Range	0% to 95% RH Non-condensed			
Sensing Technologies	Electrochemical (toxics), Catalytic combustion (combustibles), Diffusion cell (oxygen)			
Communication (length of lines)	Up to 600 m (2000 feet) per channel T-tap 20 m (65 feet) maximum per t-tap, 40 m (130 feet) total			
Storage Temperature	0°C to 20°C (32°F to 68°F)			
Communication	RS-485 two wires			
Communication Protocol	FLN (Field Level Network, Siemens)			
Transmission Speed	4.8 kBauds			
Warranty	2 years (limited)			
901T Ratings and Certifications				
Certified to	CSA STD. C22.2 No. 205  116662 Testing certification with the Siemens Building Technologies, Inc. APOGEE(R) Building Automation System			
Conforms to	UL STD. 1244			

As world leaders in gas detection solutions, Honeywell Analytics' Vulcain range of gas detection systems has been designed to provide efficient, practical and cost-effective equipment to protect people from a variety of forms of hazardous gases and to efficiently monitor and control indoor air quality. The equipment is also extremely simple to install and easy to operate and maintain.

The Vulcain range of fixed gas detection and air monitors



Vulcain Sensors

From refrigerants to toxic and combustible gases, Honeywell Analytics' Vulcain line has a sensor designed for any industrial or commercial application. With award winning sensor technology, this line of sensors is the answer to any fixed HVAC, IAQ or gas detection concerns.

Find out more

For more information on Honeywell Analytics' Vulcain line of products, visit www.honeywellanalytics.com or contact us at 800 563 2967

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Vulcain Controllers

Designed for industrial or commercial use, the Vulcain 301C monitors and controls toxic gases, combustible gases and oxygen hazards. With the same simple installation and operation and flexibility as the Vulcain 301C, the Vulcain 301EM is specifically designed to fulfill the requirements of a mechanical room.



Vulcain 301M

Stand-Alone Dual Gas Monitor

For applications where gas detection is only needed at one or two points, the Vulcain 301M offers a simple solution. While continually monitoring for CO, a remote sensor can also be integrated to detect CO, NO₂, propane, hydrogen or methane with a remote sensor that can be placed up to 200' away.



Vulcain 90DM₄

Commercial CO₂ Detection

Using proven infrared dual sensing technology to detect carbon dioxide (CO₂) the Vulcain 90DM₄ can be either wall or duct mounted to monitor CO₂ levels in your commercial environment.

Honeywell