



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

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

Easy Installation, Robust Performance

The 901T is shipped factory tested and calibrated, ready for immediate installation. Gas detection equipment is only as good as its sensor. 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 901T provides reliable early hazard warnings at an affordable price.

Find out more

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Technical Services

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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

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 Requirement	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
	Carbon Monoxide (CO)	0-250 ppm	25 ppm	200 ppm
	Nitrogen Dioxide (NO ₂)	0-10 ppm	0.7 ppm	2 ppm
	Combustibles	0-100% LEL	25% LEL	50% LEL
	Oxygen (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 (length of lines) 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)			
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			

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