

301C SPECIFICATIONS

Controller



General Specification	
Use	Controller for centralized gas detection monitoring with real-time gas reading, selective alarm activation and low cost installation
Power Requirement	17-27 VAC, 24-38 VDC, 500mA
Size	11 (W) x 8 (H) x 2.8 (D) in. (28 x 20.3 x 7 cm)
Weight	2.4 lbs. (1.1 kg)
Network Capacity	Three RS-485 channels for up to 96 transmitter inputs
Digital Communication	Optional BACnet/IP interface, BTL listed as a smart sensor
Communication Line Lengths	Up to 2,000 ft. (609 m) per channel T-Tap: 65 ft. (20 m), maximum per T-Tap 130 ft. (40 m), maximum for all T-Tap combined
Relay Output	5 A, 30 VDC or 250 VAC (resistive load)
Alarm Levels	Four fully programmable alarm levels
Time Delays	0, 30 sec, 45 sec, 1-99 minutes before and after alarm
Outputs	4 DPDT relays (alarms and/or fault); 65dBA buzzer
Events	Flexible programming that can include: alarms, gas concentrations, faults, real time clock, voting, optional outlier detection, and time since calibration
Display	Large 122 x 32 dot matrix display
Operating Humidity Range	0 to 95% RH (non-condensing)
Operating Temperature Range	-4° to 122°F (-20° to 50°C)
Security	Password protection for tamper resistance
Zoning	Up to 126 programmable zones
Optional Memory	2GB removable SD Card for configuration, readings, and events
Ratings and Certification	
Certified to	For USA: Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements (ANSI/UL 61010-1, 2nd Edition, Dated July 12, 2004 Including Revisions Through October 28, 2008) For Canada: Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements (CAN/CSA C22.2 No. 61010-1:04, 2nd Edition, Dated July 12, 2004 Including General Instruction 1 – October 2008 (Reaffirmed 2009))
Certified by	Intertek
Designed to comply with	IEC 61010-1:2010 (Third Edition) California Title 24, Part 6, and associated administrative regulations In Part 1

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