

## 301C SPECIFICATIONS

### Controller



General Specification	
<b>Use</b>	Controller for centralized gas detection monitoring with real-time gas reading, selective alarm activation and low cost installation
<b>Power Requirement</b>	17-27 VAC, 24-38 VDC, 500mA
<b>Size</b>	11 (W) x 8 (H) x 2.8 (D) in. (28 x 20.3 x 7 cm)
<b>Weight</b>	2.4 lbs. (1.1 kg)
<b>Network Capacity</b>	Three RS-485 channels for up to 96 transmitter inputs
<b>Digital Communication</b>	Optional BACnet/IP interface, BTL listed as a smart sensor
<b>Communication Line Lengths</b>	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
<b>Relay Output</b>	5 A, 30 VDC or 250 VAC (resistive load)
<b>Alarm Levels</b>	Four fully programmable alarm levels
<b>Time Delays</b>	0, 30 sec, 45 sec, 1-99 minutes before and after alarm
<b>Outputs</b>	4 DPDT relays (alarms and/or fault); 65dBA buzzer
<b>Events</b>	Flexible programming that can include: alarms, gas concentrations, faults, real time clock, voting, optional outlier detection, and time since calibration
<b>Display</b>	Large 122 x 32 dot matrix display
<b>Operating Humidity Range</b>	0 to 95% RH (non-condensing)
<b>Operating Temperature Range</b>	-4° to 122°F (-20° to 50°C)
<b>Security</b>	Password protection for tamper resistance
<b>Zoning</b>	Up to 126 programmable zones
<b>Optional Memory</b>	2GB removable SD Card for configuration, readings, and events
Ratings and Certification	
<b>Certified to</b>	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))
<b>Certified by</b>	Intertek
<b>Designed to comply with</b>	IEC 61010-1:2010 (Third Edition) California Title 24, Part 6, and associated administrative regulations In Part 1

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