

301C SPECIFICATIONS

Controller



| General Specification | |
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| 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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