

AirAlert™ 96d SPECIFICATIONS

Toxic and Combustible Gas Detector Network Platform (MS-TP, Modbus)



General Specification															
Use	Multi-channel gas monitoring system acts as the nerve center of a modular gas detection network, providing continuous monitoring of up to 96 connected units on three distinct channels.														
Common Operation															
Display	Graphic 122 x 82 alphanumeric dot matrix backlit														
Push Button Controls	Seven user-friendly pushbuttons easily performs operations from minor fine tuning to reconfiguration of entire network.														
Electrical Power	24 VDC, 500 mA (18-36 VDC)														
Communication Addressable	RS-485 Modbus protocol														
Power Supply	External M-600400 24 VDC, 6.5 amps, enclosure complies with Nema 4 requirements														
Environmental															
Operating Altitude	Up to 3,000 m (9843 ft.)														
Operating Environment	Ordinary location														
Operational Humidity	0-95% RH (non-condensing)														
Temperature	-20°C to +50°C (-4°F to +122°F)														
Common Module															
Communication	RS-485: for communication cable, use 24 AWG twisted pair, shielded (Belden #9841 or equal), cable runs up to 2,000 ft. For power cable use 14 AWG (Belden #5100UE or equal), cable runs up to 1,000 feet.(Belden #5100UE or equal), cable runs up to 1,000 feet.														
Network Capacity	Up to 96 sensors, 32 per channel Channel 1, 2, and 3														
Visual Indicators	<table> <tr> <td>Power On</td><td>Green LED</td></tr> <tr> <td>Warn</td><td>Red LED (blinks upon an event)</td></tr> <tr> <td>Alarm</td><td>Red LED</td></tr> <tr> <td>High Alarm</td><td>Red LED</td></tr> <tr> <td>Fault</td><td>Yellow LED</td></tr> <tr> <td>Tx Amber</td><td>LED (blinks when used)</td></tr> <tr> <td>Rx</td><td>Green LED (blinks when used)</td></tr> </table>	Power On	Green LED	Warn	Red LED (blinks upon an event)	Alarm	Red LED	High Alarm	Red LED	Fault	Yellow LED	Tx Amber	LED (blinks when used)	Rx	Green LED (blinks when used)
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Outputs															
Relays	4 DPDT relays 5A, 30 Vdc or 250 VAC/30 VDC Field selectable: energized/de-energized Red LED for each relay for alarm indication: One common warn gas alarm One common alarm gas alarm One common high gas alarm One common fault alarm														
Communication	BACnet output only														
Time Delays	0, 30, and 45 seconds, and 1 to 99 minutes before and after alarm														
Enclosure	NEMA 4x, cast aluminum #A356.0T6, EMI/RFI protected														
Over-voltage Category	II														
Dimensions	24.1 x 35.6 x 8.9 cm (9.50" x 14" x 3.5")														
Weight	5.2 kg (11.4 lbs)														

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