



# NH<sub>3</sub>

# GAS DETECTION AMMONIA



## GAS DETECTORS



### LPT-A Analog Transmitter

- » Single channel
- » NH<sub>3</sub> electrochemical sensor range: 0 to 500 ppm
- » One 2-amp SPDT relay, audible alarm, graphic LCD display
- » 4 - 20 mA or 0 - 10 VDC output signal
- » 3-wire VDC or 4-wire VAC/VDC



### LPT-M Digital Modbus Transmitter

- » Up to 3 channels
- » NH<sub>3</sub> electrochemical sensor range: 0 to 500 ppm
- » Modbus<sup>®</sup> RS-485 output signal
- » One 2-amp SPDT relay, audible alarm, graphic LCD display
- » 4-wire VAC/VDC



### LPT-A-VLT Vent Line Ammonia Transmitter

- » Single channel
- » NH<sub>3</sub> catalytic sensor range: 0 to 3.00% vol / 30,000 ppm
- » One 2-amp SPDT relay, audible alarm, graphic LCD display
- » 4 - 20 mA or 0 - 10 VDC output signal
- » 3-wire VDC or 4-wire VAC



### CXT Explosion-Proof Transmitter

- » Single channel
- » NH<sub>3</sub> electrochemical sensor range: 0 to 500 ppm
- » 4 - 20 mA analog output or Modbus<sup>®</sup> RTU output
- » Three 5-amp relays (optional), audible alarm, large graphic LCD
- » Programmable heaters for low temperature operation
- » Class 1, Div 1 & 2, Groups A, B, C, D

## CONTROLLERS



### FCS Flexible Control System - up to 128 channels

- » Four 5-amp SPDT relays, audible alarm, resistive touch LCD colour display, extensive menu, priorities zoning and logic control, data logging, optional top mounted strobe
- » Modbus<sup>®</sup> RS-485 output or BACnet<sup>®</sup> MS/TP output for communication with a Building Automation System (BAS)
- » 90 - 240 AC line voltage power supply



### QCC Quad Channel Controller - up to 4 channels

- » Three 5-amp SPDT relays, audible alarm, LCD display, extensive menu system, logic control, optional analog output with data logging, optional top mounted strobe, optional manual shut off switch
- » Modbus<sup>®</sup> RS-485 output or BACnet<sup>®</sup> MS/TP output for communication with a Building Automation System (BAS)
- » 90 - 240 AC line voltage power supply

## CETCI NH<sub>3</sub> GAS DETECTION SYSTEMS PROVIDE:

- ✓ 24 hour continuous monitoring of Ammonia
- ✓ Visual and audible alarm response on or at 25 ppm
- ✓ Visual display of gas level readings outside the room
- ✓ Automatic triggering of the ventilation system
- ✓ Shut off equipment from outside the chiller room

**INSTALL** the gas detector on or near the ceiling where the gas is most likely to concentrate. Ammonia in normal air conditions is lighter than air and will rise as high as it can. Typically one gas detector covers approx. 465 m<sup>2</sup> / 5,000 ft<sup>2</sup> (size of room and location of equipment is a factor).

**BUMP TESTING** should be done as part of the monthly maintenance plan of the system. If a bump test fails, do a full calibration.

**CALIBRATION** should be done every 6 months, at minimum.

**REMEMBER** that constant exposure to high range levels of Ammonia and/or even one very high concentration event can poison the sensor and render it useless.

## ALSO AVAILABLE:

### Calibration Kit

Common tools required for field calibration in a durable, plastic carrying case

### QC-50 NH<sub>3</sub> Gas Bump Tester

Hand aspirated bulb bump test system for ammonia gas detectors

### QC-100 NH<sub>3</sub> Gas Bump Tester

Battery powered bump test system for ammonia gas detectors

### GENie NH<sub>3</sub> Calibration Gas System

Portable, hand held calibration instrument for ammonia gas detectors

604-940-8741

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