Gas Detector / Transducer

Methane / Natural Gas / LP / Propane / Combustible Gases

For Use with: Building Automation Systems, Energy Management Systems, Macurco DVP-12

GT-11A

- Dual linear output transducer for use with Building Automation Systems, Energy Management Systems, Macurco DVP-12 Control Panel. Unit sends either a 4 to 20 milliamps or 1 to 5 volt signal.

- The standard calibration for the GT-11A is to the following range: 0 to 10,000 parts per million (ppm) of methane. 10,000 ppm is approximately 20% of the Lower Explosive Limit (LEL) of methane.

- Easy installation: Input voltage is 24 VAC or 24 VDC. The unit mounts over a standard 4 x 4 electrical box. Optional duct mounting kit (DMK-1) is available for special applications.

- Dual operating LED indicators: the green LED indicates normal operating condition, while the amber LED indicated a trouble condition.

- Supervised System: Unit continually performs an internal self-test. The amber LED indicates a trouble condition if there is a sensor or circuit failure.

- Standard calibration detects the following gases: methane, natural gas, propane, butane, gasoline fumes, acetylene and LP.

- Special calibrations are available to detect other hydrocarbon gases including: jet fuel, alcohol, ethane, kerosene, xylene, etc.

- Low maintenance self-purging semiconductor sensor. Sensor life is 7 to 10 years.
Typical Wiring Diagram

General View

Control Unit

Linear Outputs

Tranducer

Input Power

Controller or Energy Management System

1-5 Volts and 4-20 mA

GT-11A

24 Vac or 24 Vdc

Detailed View

Outputs

Inputs

Power

24 Vac or 24 Vdc No Polarity

GT-11A

1 to 5 Volts

4 to 20 mA

Specifications

Input Voltage: 24 Vac or 24 Vdc
Typical Current Usage: 130 mA @ 24 Vac, 90mA @ 24 Vdc
Size: 6 x 6 x 3 inches
Color: Gray
Shipping Weight: 3 pounds
Operating Environment: 0 to 125°F and 10 to 90% (non-condensing)
Current Output: 4 to 20 mA
Voltage Output: 1 to 5 V
Range: 0 to 10,000 ppm of methane (standard calibration)