



Certified, Simple and Reliable Gas Detection



The all new 3M™ Macurco™ Combustible Gas Detector GD-2A

The 3M Macurco Combustible Gas Detector GD-2A is a low voltage all-electronic monitor engineered to detect heating type gases, including methane (natural gas) and propane (bottled gas).

Simple.

- **Easy Operation:** A green LED signifies that the GD-2A is armed. If gas is detected, the red LED flashes and the alarm condition is activated.
- **Quick Installation:** Three part plastic case allows for easy surface mount installation or near flush mount over a four-inch square or double gang electrical box.
- **Maintenance Free:** The GD-2A uses a self-purging semi-conductor electronic sensor which requires no maintenance or recalibration.

Trusted.

- **Self-Restoring or Latching Functionality:** Allows installer to choose whether GD-2A will switch back to normal state after air clears of gas, or stay in alarm until power is interrupted.
- **SPDT Alarm and SPST Trouble Relays:** Designed for seamless connection to control panels or other devices.
- **Temperature Compensated:** For accuracy over the entire operating range.

Certified.

- **Time-Honored Quality:** Backed by Macurco's reliable brand quality and 3M's history of customer dedication and satisfaction.
- **Listed to UL Standard 2075** for the standard for safety for gas and vapor detector and sensors.
- **Sensitivity Tested** based on UL 1484 Standard for Residential Gas Detectors.

Easy to install, simple to operate and engineered for reliability. The GD-2A is the professional choice for heating type gas detection.



GAS DETECTION
Macurco



3M™ Macurco™ Combustible Gas Detector GD-2A Technical Features



Power Information:

- Operates on DC or AC voltages between 12 and 24 volts.
- Utilizes a full wave bridge rectifier at its power input so that it is independent of the polarity of the input power.
- Switching regulator is used to efficiently match the wide input voltage range to the fixed, internal power system.

Visual Display:

- Green LED light blinks on and off during the warm up period.
- Continuous green light (ARMED) indicates normal operation.
- Both lights flash on and off when a trouble condition occurs.
- Red LED (ALARM) turns on at the same time the SPDT alarm relay activates to indicate the alarm condition.

Advanced Relay Features:

- Self-restoring operation turns off red light when air clears of gas, switching to normal state.
- Jumper wire on circuit board can be clipped to allow unit to latch in upon alarm. Power will then need to be interrupted to unlatch alarm condition.

Requirements:

- Designed for connection to UL Listed Fire Alarm/Burglary Control Panels. Do not connect the GD-2A to Fire Alarm Circuits, or Burglar Alarm or other signals.
- Alarm Control Panel must be dedicated to gas detection or have alarm devices that provide a distinctive alarm for gas detection.
- Intended for installation in buildings in non-hazardous locations such as residences, retail stores and office buildings.

Specifications:

Size: 4.5" x 5" x 1.625"

Shipping Weight: 0.54 pound

Voltage: 12 to 24 VAC or VDC

Current (non-alarm): 45 mA @ 12 VDC, 22 mA @ 24 VDC, 65 mA @ 12 VAC, 45 mA @ 24 VAC

Current (in alarm): 70 mA @ 12 VDC, 35 mA @ 24 VDC, 100 mA @ 12 VAC, 65 mA @ 24 VAC

Color: White

Sensor Maintenance: Not required

Alarm Relay Rating: 0.125 Amps, 40V, 3VA

Trouble Relay: 0.250 Amps, 40V, 10VA

Operating Temperature Range: 32° to 120° F

Alarm Set Point: Per UL 1484 (25% LEL)

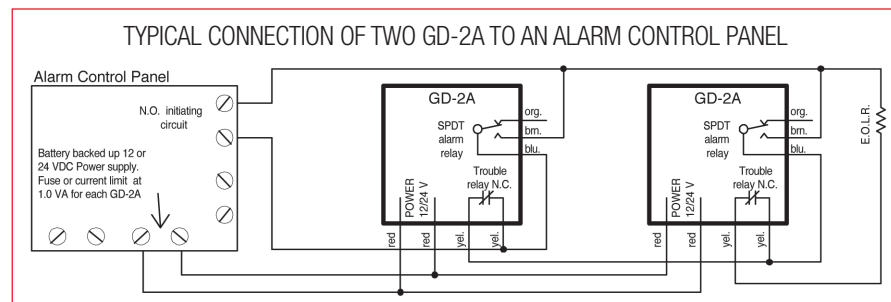
The GD-2A does NOT detect carbon monoxide.

For More Information

In U.S., contact:

Website: www.3M.com/Macurco

Technical Assistance: 1-800-243-4630



Part No.	Description	Stock No.	UPC No.	Qty/Case
GD-2A	3M™ Macurco™ Combustible Gas Detector	70 0715 6468 9	0 00 51131 49548 7	1



Occupational Health & Environmental Safety Division

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⚠ WARNING

This product is intended for use in ordinary indoor locations of family living units and office workspaces. The GD-2A is not designed to measure compliance with Occupational Safety and Health Administration (OSHA) commercial or industrial standards.