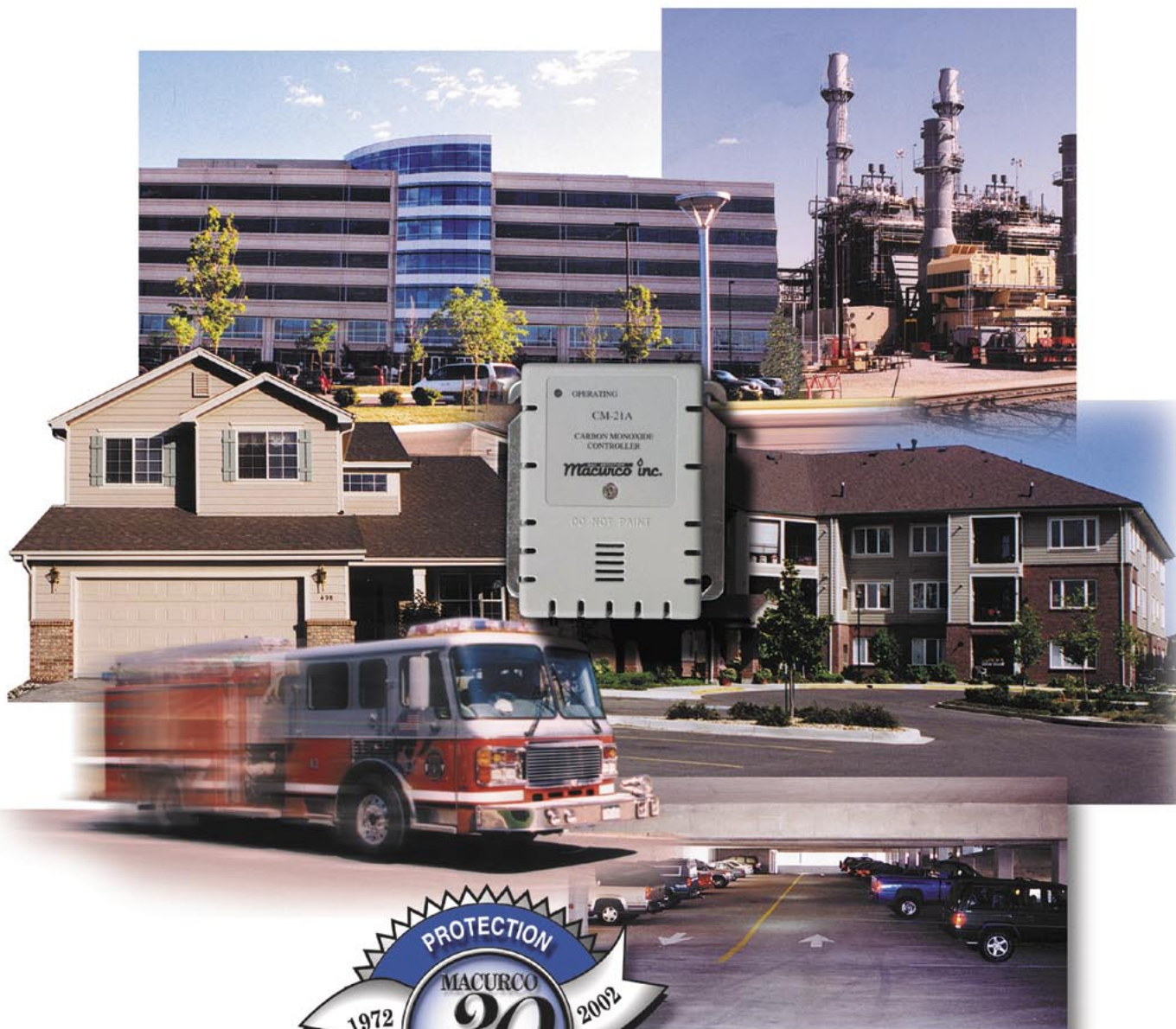


# GAS DETECTION *Macurco*



Manufacturer of quality gas detecting equipment for residential, commercial and light industrial applications.



Macurco is committed to following three important principles in the design and manufacture of gas detection devices:

**Protecting People • Preventing Fire • Providing Value**

#### **Protecting People**

All of Macurco's products provide a means to alert occupants before gas and carbon monoxide are at hazardous levels. Residential products conform with standards set by Underwriters Laboratories (UL). Commercial products conform with standards set by OSHA and the Uniform Building Code.

#### **Preventing Fire**

All of Macurco's products for heating and other combustible gases are set to alarm at a point where the leak is detected before the level reaches explosive limits.

#### **Providing Value**

In addition to being inexpensive and easy to install, Macurco's products aid in reducing utility costs by either detecting gas leaks or reducing ventilation costs.

*Each unit is individually tested and calibrated.*

**Partial list of Combustible Gases** that can be detected are as follows:

Acetylene  
Alcohol  
Benzene  
Butane  
Deisel Fumes  
Ethane

Ethanol  
Ethylene  
Gasoline Fumes  
Jet Fuel  
Kerosene Fumes  
Lacquer thinner

Methane gas  
Methanol  
Methyl chloride  
Methyl ether  
Methyl mercaptan  
Methylene chloride

Pentane  
Propane & LP Gas  
Trichloroethylene  
Vinyl chloride  
Xylene



# Combustible Gas Detectors



(see flap for list of detectable gases)



**GD-1-SPC**

Gas detector for use with alarm systems. Special calibrations only.

- Flush or surface mount
- 12-24 VAC or VDC operation
- SPDT alarm relay
- N.C. trouble relay
- Special calibrations only



**GD-1D**

Gas detector for use with alarm systems, dual relay output.

- Flush mount
- 12-24 VAC or VDC operation
- High and Low level alarm relays
- Special calibrations available



**GD-1S**

Gas detector for use with alarm systems, surface mount.

- Surface mount
- 12 VDC operation
- N.O. alarm relay
- Special calibrations available.



**GD-2A**

UL listed Heating Gas detector for use with fire and security alarm systems.

- UL listed to UL 2075
- Flush or Surface Mount
- 12-24 VAC or VDC operation
- SPDT alarm relay
- N.C. trouble relay.

# Carbon Monoxide Detectors



**CM-1B**

CO detector for use as stand-alone detector or to control another device.

- Digital meter
- 2 relays
- 85 db buzzer
- 12-24 VAC or VDC operation
- Optional transformer for 120V operation.



**CM-2B**

Analog CO transducer for use with HVAC/Building Automation Systems.

- Digital meter (0-250ppm)
- NEMA 1 enclosure
- 24 VAC or VDC operation
- 4-20mA output.



**CM-3**

Analog CO transducer and meter, for ventilation control and use with HVAC/Building Automation Systems.

- Digital meter (0-250ppm)
- 4-20mA output
- 5A SPDT adjustable fan control relay
- NEMA 1 enclosure
- 12-24V operation
- Accurate/Linear electro-chemical sensor.



**CM-15 / CM-15A**

UL listed CO detectors for use with fire and security alarm systems.

- UL 2075 listed
- Flush or surface mount
- 12-24 VAC or VDC operation
- SPDT alarm relay
- N.C. trouble relay
- LED status display
- 85 db buzzer (CM-15A)



**CM-21A**

CO detector and ventilation controller, stand-alone or for use with systems.

- Mounts in 4 x 4 box
- Meets OSHA, UBC and BOCA standards
- 12-24 VAC or VDC operation
- SPDT fan relay
- N.O. alarm relay



3946 S. Mariposa Street, Englewood, Colorado 80110  
(303) 781-4062 • FAX (303) 761-6640 • [www.macurco.com](http://www.macurco.com)

For Homes, Furnace Rooms, Commercial Buildings, Energy Management Systems

## Multi-Gas Control Panel



**GD-21**

Gas detector, stand-alone residential unit.

- 120 VAC operation
- 85 db buzzer
- Easy installation



**GT-11**

Analog gas transducer for use with HVAC/ Building Automation Systems.

- Dual linear output transducer
- 24 VAC or VDC operation
- 1-5V or 4-20 mA output
- Special calibrations available



**4S1D-1-BR**

120 VAC Gas detector in commercial enclosure.

- 120 VAC operation
- N.O. alarm relay
- 85 db buzzer
- Mounts to double gang box
- Special calibrations available



**DVP-12**

Gas Detection and Ventilation Control Panel

- Meets OSHA, UBC and BOCA Standards
- 120 VAC operation
- Adjustable Alarm Settings
- Adjustable Time Delays
- Accepts 4-20mA input from up to 12 CO, Gas and NO2 Sensors.

For Homes, Offices, Warehouses, Commercial Buildings, Enclosed Parking Garages, Vehicle Maintenance Facilities

## CO Ventilation System



**SS103**

CO ventilation controller to monitor up to three (SS103-3A) or ten (SS103-10A) remote transducers.

- Meets OSHA
- Meets OSHA, UBC and BOCA standards
- 120 VAC operation
- Adjustable alarm settings
- Three 10A relays
- System status LEDs
- Sturdy electrical box enclosure.



**SS102HC-1 / CS102A**

CO transducer for use with SS103 Controller.

- Analog output 1-2.9V (CS102A)
- Analog output 1-2.9V and 4-20mA (SS102HC-1)
- Mounts on 4 x 4 box
- Status LEDs

## Hydrogen Detectors



For Battery Charging Areas: Forklifts, Golf Carts, Uninterruptible Power Supplies



**HD-11**

Hydrogen detector for use with alarm control panels.

- Flush mount
- 12-24 VAC or VDC operation
- SPDT alarm relay
- Special calibrations available



**HD-12**

Hydrogen detector for use with alarm control panels.

- Flush mount
- 12-24 VAC or VDC operation
- High and low alarm relays
- Special calibrations available



**HD-21-1-BR**

Hydrogen detector in commercial enclosure.

- 120 VAC operation
- 85db buzzer
- N.O. alarm relay
- Mounts in 4 x 4 Box



Make an appointment with a Macurco representative. Call 1-800-237-9049 today.

Visit [www.macurco.com](http://www.macurco.com) for full catalog information including Data Sheet and operating instructions for each product.

## Nitrogen Dioxide

For Parking Garages, Warehouses, Maintenance Facilities, Ice Skating Arenas



ND-1

ND-2

Nitrogen Dioxide detector and ventilation controller, stand-alone or for use with systems.

Nitrogen Dioxide detector and transducer for ventilation control, or for use with Building Automation Systems.

- Digital meter (0-9ppm)
- Meets OSHA standards
- Adjustable relay set points
- NEMA 1 enclosure
- 12-24 VAC or VDC operation
- SPDT fan relay
- N.O. alarm relay

- Digital meter (0-9ppm)
- Meets OSHA standards
- 4-20mA output (0-6ppm)
- NEMA 1 enclosure
- 12-24 VAC or VDC operation
- SPDT fan relay
- Adjustable relay set point

## Air Quality Controllers

For Bathrooms, Conference Rooms, Restaurants, Lounges



AQC-12

AQC-21

Detector and ventilation controller, stand-alone or for use with systems.

Detector and ventilation controller, stand-alone or for use with systems.

- Variable sensitivity
- 120 VAC operation
- SPDT alarm relay
- Adjustable time delay on alarm

- Variable sensitivity
- 12-24 VAC or VDC operation
- SPDT alarm relay
- Adjustable time delay on alarm

## Ammonia Detectors

For refrigeration systems, poultry and livestock operations



AD-1

AD-12

Ammonia detector for use with alarm control panels.

Ammonia detector for use with alarm control panels, dual relay output.

- Variable sensitivity from 25-275 ppm
- Flush mount
- 12-24 VAC or VDC input
- SPDT alarm relay
- One minute delay on alarm

- Flush mount
- 12-24 VAC or VDC operation
- High and low alarm relays
- Special calibrations available

## Refrigerants Detectors

For Chillers, Coolers Using CFC or HCFC Refrigerants



FD-11

FD-12

FD-21-1-BR

FT-11

RD-1

RD-2

Refrigerant detector for use with alarm control panels.

Refrigerant detector for use with alarm control panels.

Stand-alone refrigerant detector in commercial enclosure.

Analog refrigerant transducer for use with HVAC / Building Automation System.

Adjustable refrigerant detector, for use with alarm systems.

Refrigerant detector for use with alarm control panel.

F-Series: For detection of CFC refrigerants R-11, R-12, R-22, R-62, R-112, R-500, R-502, etc.

- Flush mount
- 12-24 VAC or VDC operation
- SPDT alarm relay
- Special calibrations available

- Flush mount
- 12-24 VAC or VDC operation
- High and low alarm relays
- Special calibrations available

- 120 VAC operation
- 85 db buzzer
- N.O. alarm relay
- Mounts on 4 x 4 Box

- Dual linear output transducer: 24 VAC or VDC operation
- 1-5V or 4-20 mA output

R-Series: For detection of HCFC refrigerants R-123, R-134A, etc.

- Variable sensitivity from 25-275 ppm
- 12-24 VAC or VDC operation
- N.O. alarm relay

- Customer specified/ factory calibrated set point
- 12-24 VAC or VDC operation
- N.O. alarm relay.



“To act with respect and integrity to provide the highest quality gas detection solutions to serve the global community.”

## About Macurco

Macurco has specialized exclusively in gas detection and ventilation control equipment since it was founded in 1972. The facility includes all phases of design, engineering, production, testing, and sales. A phone call to Macurco is a direct line to engineers, assembly technicians and testing professionals who are ready to assist with your gas detection solutions.

The company's products are manufactured by strict quality standards. EACH unit is 100% assembled, calibrated, tested and shipped from the facility in Englewood, Colorado.

Today, Macurco supplies gas detection devices to a number of industries including: Fire/Security, HVAC, Propane, Alternative Fuel, and Telecommunications.

Manufactured by:

