

GAS DETECTION **Macurco inc.**

Combustible Gas Detector

Home Furnaces Telecom Buildings Landfill Buildings Commercial Buildings



4S1D-1-BR

Commercial Grade Combustible Gas detector

FEATURES:

- All units individually gas calibrated
- **Detects combustible gases** (Natural Gas, LP, Propane, Butane, and many other hydrocarbons)
- **Standard Calibration** setting is 20% of LEL (Lower Explosive Limit) for natural gas (methane). See list on next page for a partial list of gases that can be detected.
- **Loud Buzzer** (similar to a smoke alarm buzzer) wakes even heavy sleepers.
- **Special Calibrations** are available to meet specific customers needs.
- **Stand Alone Unit.** Powered by 120VAC.
- **Explosion Proof Design.** (Ignition protected)
- **Maintenance free** electronic sensor, supervised
- Mounts on a two gang electrical box and becomes the cover of the box.
- **Gas Detection is Fire Prevention.**



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Combustible Gases that the 4S1D-1-BR Can Detect

The following is a partial list of the gases that can be detected. The gases marked with an asterisk (*) can be detected easily with the standard calibration setting of the 4S1D-1-BR. The detector will respond to other gases more slowly or more quickly depending on the hydrocarbon gas present. *Special calibrations are available.*

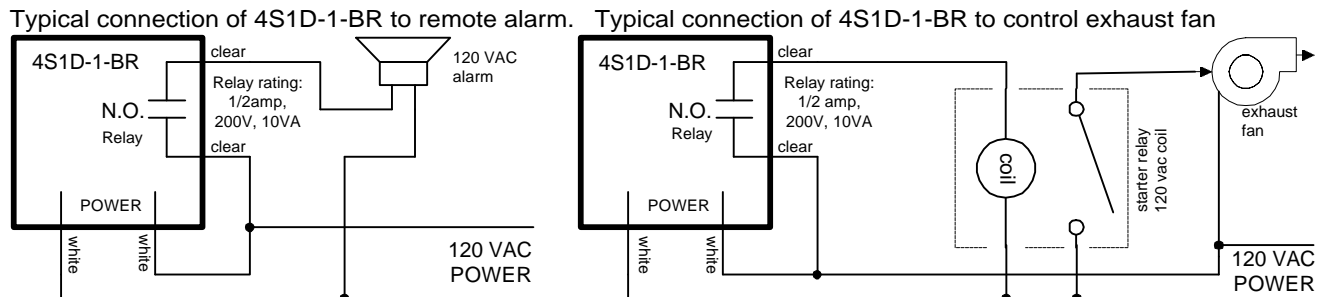
Acetylene *	Alcohol	Benzene
Butane *	Ethane	Ethanol
Ethylene	Gasoline fumes *	Jet fuel
Hydrogen *	Kerosene fumes	Lacquer thinner *
Methane gas *	Methanol	MEK
Natural gas *	Pentane	LP gas *
Propane *	Xylenes	Jet fuel

Detector Placement

Where? The 4S1D-1-BR gas detector should be placed near the source of the gas. Typically, units are placed near furnaces, hot water heaters, other gas appliances, gas fireplaces or along the incoming gas lines. Macurco does not recommend placing gas detectors in kitchens or bathrooms, because nuisance alarms can occur. If a detector is required in the kitchen, place the unit as far away from the stove or fryer as possible.

Height? Detectors should be placed close to the ceiling for gases such as natural gas (methane) which are lighter than air. Conversely, with gases like LP/Propane, which are heavier than air, the 4S1D-1-BR should be placed near the floor.

Two Typical Hookups:



Macurco supplies only the gas detector.

Specifications:

Power	120VAC, 60 Hz
Current:	Less than 10 Watts
Shipping Weight:	Approximately 2 pounds.
Color:	White
Alarm Sound:	85 db at 10 feet
Alarm Relay rating:	0.5 Amps, 200 V, 10 VA
Sensor Maintenance:	Not required
Sensor Life:	7 to 10 years
Size:	4 ½ X 4 ½ X 1 ½ inches