



GAS & SPECIALTY SENSORS

DUAL SENSOR GAS DETECTOR

GDD SERIES

DESCRIPTION

The **GDD Series Dual Sensor Gas Detector** simultaneously monitors two gases in two different locations. The detector consists of a base unit with a built-in sensor, coupled with a remote sensor that can be installed up to 200 feet (60m) away. The modular design adds functionality and flexibility with multiple configurations and pre-calibrated plug-in sensors. The **GDD Series** provides a 4-20 mA output in proportion to the level of gas present and two relay outputs to activate additional horns, strobes, or ventilation systems. The unit features a two-line LCD for local indication, self test diagnostics, and built-in 85 dBA buzzer. The remote sensor is sold separately.

FEATURES

- *Simultaneously monitor two gases in different locations*
- *Pre-calibrated plug-in sensors*
- *Built-in 85 dBA buzzer*
- *4-20 mA and two relay outputs*
- *Wide variety of gases detected*
- *Two-line LCD display*
- *Easy installation, commissioning, and operation*
- *LED status indication*
- *Password protection*

NEW!

Kele®



GDD

- *Gases detected*
Carbon monoxide
Nitrogen dioxide (diesel exhaust)
Oxygen
Hydrogen
Hydrogen Sulfide
Methane (CH₄)
Propane (C₃H₈)



SPECIFICATIONS

Power supply	17-27 VAC, 50/60 Hz, 0.35A; 24-38 VDC	Display resolution	
Sensing technology		CO	1 ppm
CO, O ₂ , H ₂ S, NO ₂	Electrochemical for toxic gases	O₂	0.2%
CH ₄ , C ₃ H ₈ , H ₂	Catalytic combustion for combustible gases	H₂S, NO₂	0.2 ppm
		CH₄, C₃H₈, H₂	0.5%
Detection Range		Average sensor life	
CO	0-250 ppm	CO	6 years
O₂	0% to 25%	Others	2 years
H₂S	0-50 ppm	Calibration interval	6 months
NO₂	0-10 ppm	Operating temp	
CH₄, C₃H₈, H₂	0% to 100% LEL	CO and remote sensors	-4° to 122°F (-20° to 50°C)
Output	4-20 mA and two DPDT relays, 5A @ 250 VAC	Others	-40° to 122°F (-40° to 50°C)
Alarm contacts	DPDT pilot duty, 150 VA max inductive, 5A @ 30 VDC, 250 VAC	Enclosure	Polycarbonate
Audible alarm	85 dBA @ 10' (3m)	Approvals	UL61010, CSA C22.2
Visual indicators	Green LED: power Amber LED 1: Alarm/fault Amber LED 2: Alarm/fault	Dimensions	
Display	8 character, two-line LCD	Base unit	8.1"H x 5.9"W x 2.7"D (20.6 x 14.9 x 6.7 cm)
		Remote sensor	2.6"H x 1.8"W x 1.4"D (6.5 x 4.5 x 3.5 cm)
		Weight	Base: 0.86 lb (0.35 kg); Sensor: 1.4 oz (38 g)
		Warranty	1 year

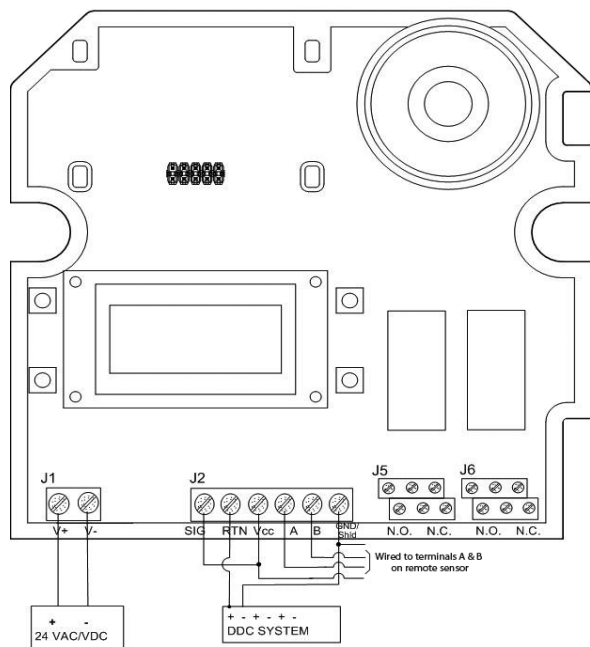
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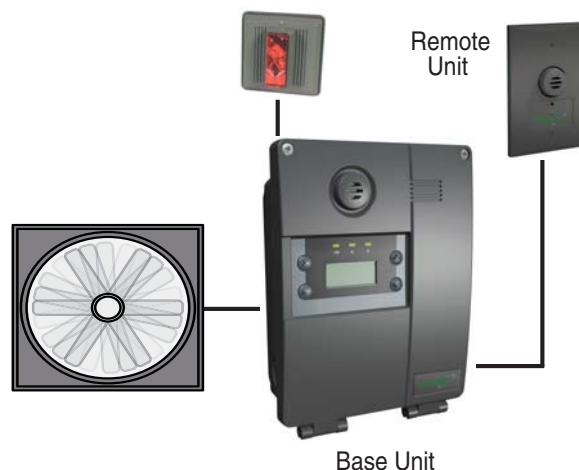


WIRING



APPLICATION

Second (remote) sensor allows for dual gas monitoring. Two on-board relays can activate ventilation or strobes.



NOTE: The device cannot monitor two combustible gases simultaneously.
CAUTION: Not to be used as a life-safety device.

ORDERING INFORMATION

MODEL

Base unit

GDD-CO	Carbon Monoxide gas detector
GDD-H2S	Hydrogen Sulfide gas detector
GDD-NO2	Nitrogen Dioxide gas detector
GDD-O2	Oxygen gas detector
GDD-H2	Hydrogen gas detector
GDD-CH4	Methane gas detector
GDD-C3H8	Propane gas detector

Remote sensor

GDD-RCO	Remote Carbon Monoxide gas sensor
GDD-RH2S	Remote Hydrogen Sulfide gas sensor
GDD-RNO2	Remote Nitrogen Dioxide gas sensor
GDD-RO2	Remote Oxygen gas sensor
GDD-RH2	Remote Hydrogen gas sensor
GDD-RCH4	Remote Methane gas sensor
GDD-RC3H8	Remote Propane gas sensor

DESCRIPTION

RELATED PRODUCTS

CKITS, UCK	Calibration kits	GAS-xx-xx	Test gas
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