



### DESCRIPTION

The **Kele GDD Series Dual Sensor Gas Detector** simultaneously monitors two different gases in two different locations. The detector consists of a base unit with 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 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 on base unit only to activate additional horns, strobes, or ventilation systems. The unit features a two-line LCD for local indication, self test diagnostics, and a built-in 85 dBA buzzer. The remote sensor is sold separately.

The **GDD Series Dual Sensor Gas Detector** is designed to be used as part of a control system that helps to prevent the formation of a hazardous environment when properly installed and maintained.

**NOTE:** As an handy solution to a wall mounting application, we recommend the **WBX334** extra wide handi-box for easy mounting and installation.



GDD

### 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 on base unit only*

- *Wide variety of gases detected*
- *Two-line LCD display*
- *Easy installation, commissioning, and operation*
- *LED status indication*
- *Password protection*
- *Programmable relay differential*

### SPECIFICATIONS

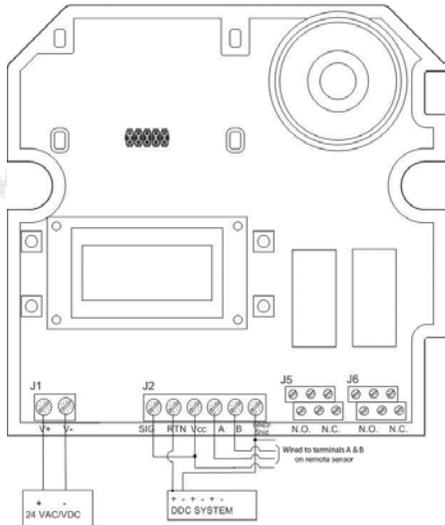
<b>Supply Voltage</b>	17-27 VAC @ 8.4 VA, 50/60 Hz or 24-38 VDC @ 350 mA	<b>O2</b>	0.2%
<b>Accuracy</b>	±3%	<b>H2S, NO2</b>	0.2 ppm
<b>Signal Output</b>	4-20 mA (500Ω) base unit only	<b>CH4, C3H6, H2</b>	0.5%
<b>Measurement Range</b>		<b>Relay Output</b>	(2) DPDT pilot duty, 150 VA max inductive, 5A @ 30 VDC, 250 VAC (base unit only)
<b>CO</b>	0-250 ppm	<b>Alarm Auditory Levels [Db]</b>	85 dBA @ 10 ft (3m)
<b>O2</b>	0% to 25%	<b>Operating Temperature</b>	
<b>H2S</b>	0-50 ppm	<b>O2,H2S,N2O,CH4,C3H6,H2</b>	-40° to 122°F (-40° to 50°C)
<b>N2O</b>	0-10 ppm	<b>CO</b>	-4° to 122°F (-20° to 50°C)
<b>CH4, C3H6, H2</b>	0% to 100% L.E.L.	<b>Operating Humidity</b>	15 to 90% non-condensing
<b>Sensing Technology</b>		<b>Dimensions</b>	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)
<b>CO, O2, H2S, NO2</b>	Electrochemical	<b>Weight</b>	
<b>CH4, C3H6, H2</b>	Catalytic combustion	<b>Wall</b>	1.84 lb (0.83 Kg)
<b>Calibration Interval</b>	6 months	<b>Remote</b>	0.42 lb (0.19 Kg)
<b>Life Expectancy</b>		<b>Remote sensor</b>	2.6"H x 1.8"W x 1.4"D (6.5 x 4.5 x 3.5 cm)
<b>CO</b>	6 years	<b>Approvals</b>	ETL
<b>All Others</b>	2 Years	<b>Warranty</b>	1 year
<b>Visual Indication</b>	Green LED: power Amber LED 1: Alarm/fault Amber LED 2: Alarm/fault		
<b>Response Time</b>	50 seconds or less		
<b>Display</b>	8 character, two-line LCD		
<b>Display Resolution</b>			
<b>CO</b>	1 ppm		



# GAS & SPECIALTY SENSORS

## DUAL SENSOR GAS DETECTOR GDD SERIES

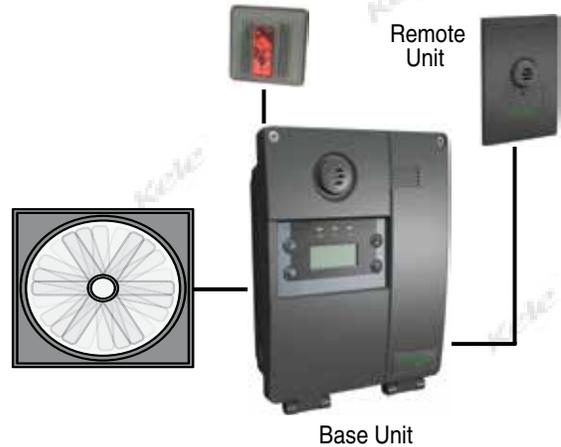
### WIRING



Note: No useable analog output on remote sensor. Only base unit has analog output of base unit. Relay output is tripped by whichever set point is tripped first.

### APPLICATION

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



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GAS & SPECIALTY SENSORS

### ORDERING INFORMATION

MODEL	DESCRIPTION
GDD-C3H8	Propane gas detector
GDD-CH4	Methane gas detector
GDD-CO-1	Carbon Monoxide gas detector
GDD-H2	Hydrogen gas detector
GDD-H2S	Hydrogen Sulfide gas detector
GDD-NO2	Nitrogen Dioxide gas detector
GDD-O2	Oxygen gas detector
GDD-RC3H8	Remote Propane gas sensor
GDD-RCH4	Remote Methane gas sensor
GDD-RCO	Remote Carbon Monoxide gas sensor
GDD-RH2	Remote Hydrogen gas sensor
GDD-RH2S	Remote Hydrogen Sulfide gas sensor
GDD-RNO2	Remote Nitrogen Dioxide gas sensor
GDD-RO2	Remote Oxygen gas sensor

ECLAB	RELATED PRODUCTS
E3H2	Splash Guard for NEMA 4X
E3H2S	Replacement H2 (Hydrogen) sensor cartridge
E3M	Replacement H2S (Hydrogen Sulfide) sensor cartridge
E3NO2	Replacement CH4 (Methane) sensor cartridge
E3O2	Replacement NO2 (Nitrogen Dioxide) sensor cartridge
E3P	Replacement O2 (Oxygen) sensor cartridge
E3SCO	Replacement C3H8 (Propane) sensor cartridge
	Replacement CO sensor cartridge