

# KGD SERIES

## TOXIC AND COMBUSTIBLE GAS DETECTOR GAS & SPECIALTY SENSORS

BRAND: KELE

### Description

The Kele KGD Series fixed gas detectors provide life-saving solutions to protect people and property. These fixed gas detectors are designed for low-level detection, mitigation, and notification. Let these detectors do the work for you by shutting off valves, turning on fans, engaging horns and strobes, and providing notification to fire panels and building automation systems when gases reach vital limits.



### Features

- BACnet and Modbus are options when ordering or can be added later with communication module
- 5 A SPDT fan relay, 0.5A alarm relay to control fans, valves, louvers, horn and strobes
- 4-20mA output to control VFDs and send to BMS
- LED display to show gas concentrations easily
- End of life notification
- Field calibration kits available
- Easy installation to 4x4 electrical boxes via mud plate

### Application

- Parking garages
- Mechanical rooms
- Restaurants
- Battery charging stations
- Breweries
- Loading docks
- Warehouses
- Firehouses & ambulance bays
- Gas Storage
- Vehicle repair facilities

## SPECIFICATIONS

<b>Power</b>	6-Series: 12 to 24 VAC, 3W (Max) or 12 to 32 VDC 12-Series: 100 to 240 VAC, 1A (Max)	<b>Gas:</b>	
<b>Output</b>	4-20mA or BACnet MS/TP / Modbus RTU	<b>Carbon Monoxide (CO)</b>	0-200 ppm
<b>Relay</b>	(1) 5 amp SPDT fan & (1) 0.5 amp Alarm	<b>Nitrogen Dioxide (NO2)</b>	0-20 ppm
<b>Ambient Temperature</b>	0 to 125 deg. F, (-18 to 52 deg. C)	<b>Combustibles (LP, NG, H2)</b>	0-50% LEL
<b>Ambient RH</b>	10-90% RH noncondensing	<b>Hydrogen Sulfide (H2S)</b>	0-50 ppm
<b>Warranty</b>	Two-year limited warranty	<b>Oxygen (O2)</b>	0-25% V/V
<b>Indication</b>	LED (can turn ON/OFF)	<b>Carbon Dioxide (CO2)</b>	0-5% V/V
<b>Approvals</b>	ETL Listed to UL Standards	<b>Amonia (NH3)</b>	0-100 ppm
		<b>Enclosure</b>	NEMA 1, Polycarbonate
		<b>Mounting</b>	4 x 4" Electrical box
		<b>Dimensions</b>	4 1/2" x 4" x 2 1/8", (11.4 x 10.2 x 5.4 cm)
		<b>Weight</b>	1lb, (0.45kg)

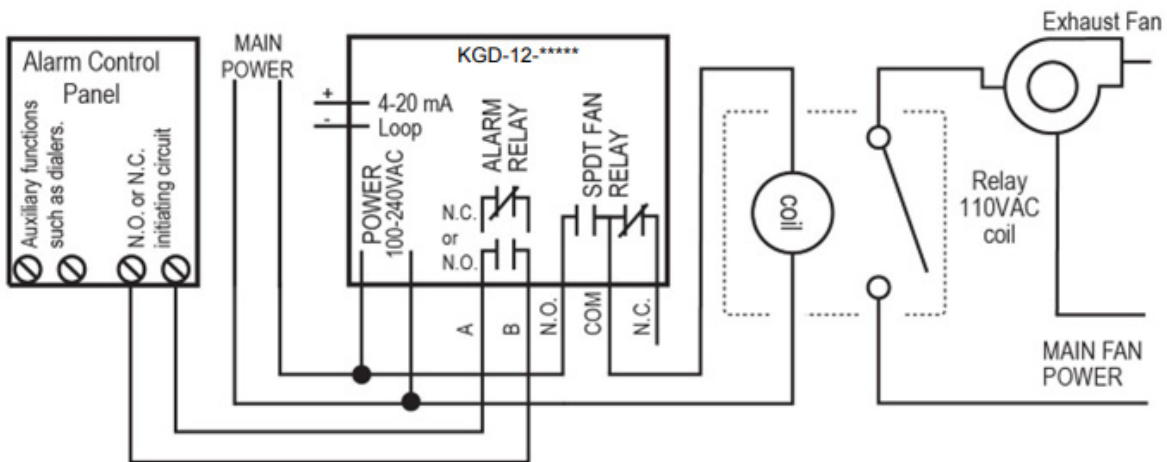
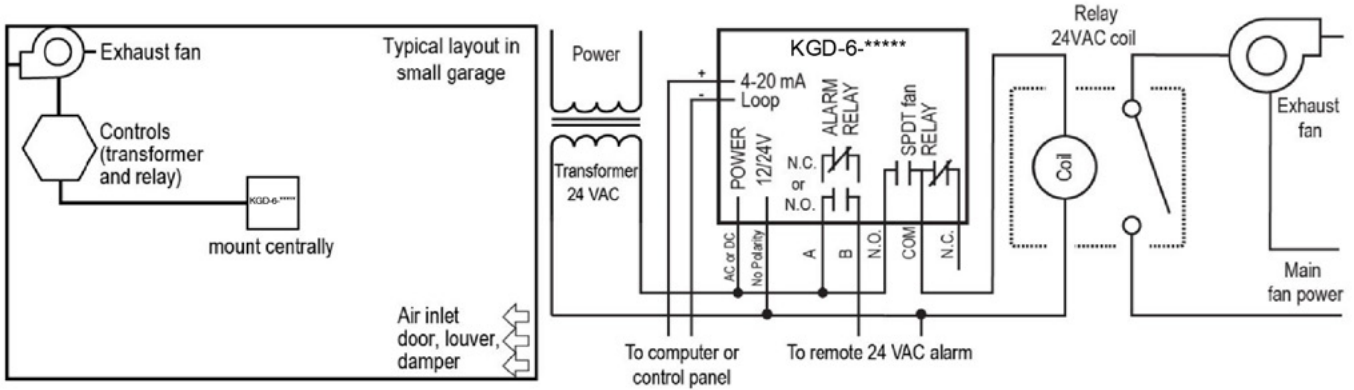
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GAS & SPECIALTY SENSORS

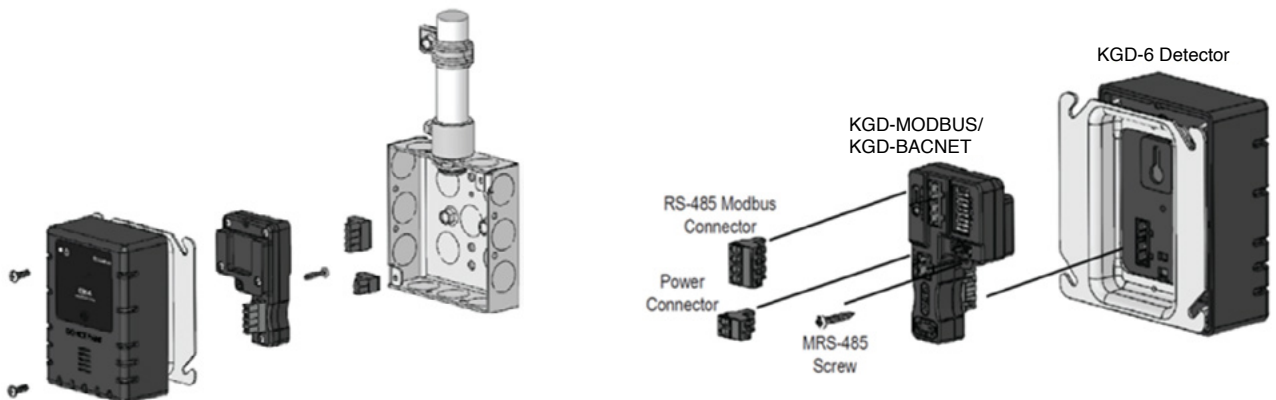


BRAND: KELE

## WIRING



## MOUNTING



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## ORDERING

FIXED GAS DETECTION	
MODEL	DESCRIPTION
KGD	KELE GAS DETECTOR, 4-20 mA, 2 RELAYS, 5A SPDT
<b>POWER</b>	
-6	12 to 24 VAC or 12 TO 32 VDC (BACnet or MODBUS options available)
-12	100 to 240 VAC
<b>GAS(ES) DETECTED</b>	
- CO	CARBON MONOXIDE (CO)
- NO2	NITROGEN DIOXIDE (NO2)
- CONO2	CARBON MONOXIDE (CO) and NITROGEN DIOXIDE (NO2), DUAL
- COMB	COMBUSTIBLES: PROPANE (LP), METHANE (NG), HYDROGEN (H2)
- H2S	HYDROGEN SULFIDE (H2S)
- AM	AMONIA (NH3)
- O2	OXYGEN (O2)
- CO2	CARBON DIOXIDE (CO2) *White Enclosure
<b>NETWORK APPLICATION (LEAVE BLANK FOR BASE MODEL)</b>	
(BLANK)	ANALOG AND RELAY OUTPUT
- B	BACnet MS/TP
- M	MODBUS RT

Example: **KGD-6-CONO2**

FIXED GAS DETECTOR, DUAL CO/NO2, 4-20MA, 2 RELAYS, 5A SPDT, 12-24VAC/12-32VDC, 0-200 PPM|0-20 PPM

\*Network Applications are for -6 Power Option ONLY

## RELATED PRODUCTS

<b>KGC-1200-4</b>	Control Panel, 192 MODBUS Inputs, 4 Relays, BACNET IP/OUT, Ethernet, NEMA 4X
<b>KGC-1200-6</b>	Control Panel, 192 MODBUS Inputs, 6 Relays, BACNET IP/OUT, Ethernet, NEMA 4X
<b>KGC-1200-8</b>	Control Panel, 192 MODBUS Inputs, 8 Relays, BACNET IP/OUT, Ethernet, LCD Display, NEMA 4X
<b>KGC-120</b>	Control Panel, 12 Analog Inputs, 3 Relays, 2-24 VDC Output, LCD Display, NEMA 1
<b>KGC-120-M</b>	Control Panel, 87 Digital I 12 Analog Inputs, 3 Relays, 10A SPDT, LCD Display, 2-24 VDC Outputs, NEMA 1
<b>KGC-120-B</b>	Control Panel, 99 Digital Inputs, Ethernet, LCD Display, 2-24 VDC Output, NEMA 1, BACnet MSTP Output

## ACCESSORIES

<b>KGD-BACnet</b>	BACnet MS/TP adapter
<b>KGD-Modbus</b>	Modbus RTU adapter
<b>DMK-1</b>	Duct mount housing
<b>WHK-1</b>	Weatherproof housing
<b>CALIBRATION KIT</b>	(Based on specific gas)