GAS & SPECIALTY SENSORS

CARBON DIOXIDE SENSORS

KCD SERIES

NEW!

Kele

DESCRIPTION

The Kele **KCD Series** was designed to offer an economical, reliable, non-dispersive infrared carbon dioxide sensor. It measures environmental carbon dioxide levels for use in demand-controlled ventilation, air-quality monitoring, and other HVAC applications in accordance with ASHRAE standards.

Fully isolated voltage analog outputs and convenient flying leads on the wall mount make installation both simple and trouble-free. The analog output is available in 0-10 VDC or 4-20 mA, over the industry standard 0-2000 ppm CO2 range.

Wall Mount

Duct Mount

MADE IN USA

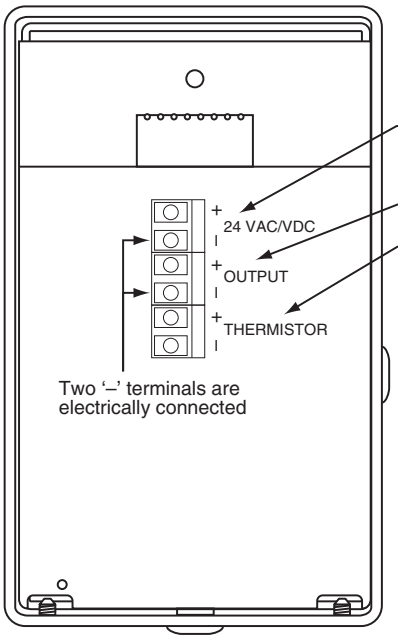
FEATURES

- ***24 VAC/VDC power***
- ***0-10 VDC or 4-20 mA output***
- ***0-2000 ppm CO2 range***
- ***Wall-mount and duct versions***
- ***Reverse polarity protected***
- ***Simple push-button calibration***
- ***Factory calibrated***

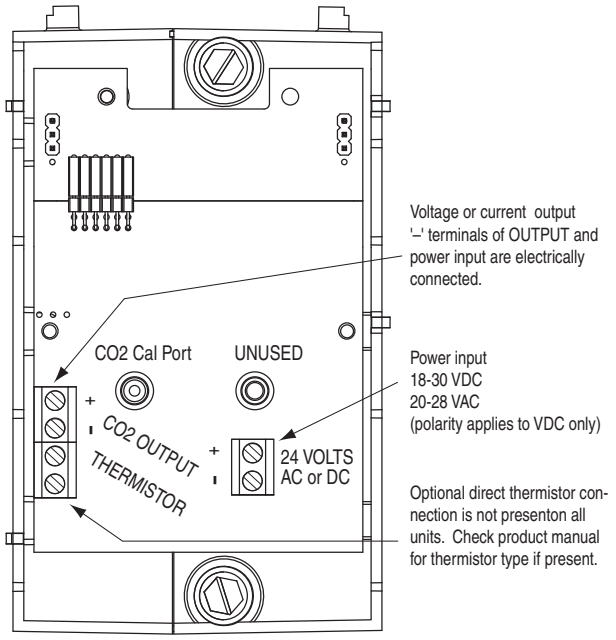
SPECIFICATIONS

Power supply	20-28 VAC, 50/60 Hz, or 18-30 VDC, 8 VA @ 24 VAC, reverse polarity protection	**Operating life expectancy**	10 years typical
Sensing technology	Non-dispersive IR (NDIR)	**Operating range**	
Detection range	0-2000 ppm CO2	**Humidity**	0% to 95% RH (noncondensing)
Accuracy	±3% of reading or ±40 ppm	**Temperature**	32° to 122°F (0° to 50°C)
Repeatability	±20 ppm	**Enclosure**	White finish, ABS, UL 94V-0
Output	0-10V or 4-20 mA (500Ω max) depending on model	**Dimensions**	4.63"H x 2.88"W x 1.0"D (11.8 x 7.3 x 2.54 cm); Duct probe: 6" L (15.2 cm), 1.7" (4.3 cm) diameter
Visual indication	LED flashes above 1000 ppm of CO2	**Weight**	
Calibration	Push button @ 2000 ppm	**Wall**	4 oz (0.11 kg)
Calibration interval	5 years	**Duct**	8 oz (0.23 kg)
Response time	<1 minute	**Warranty**	18 months
Warm-up time	3 minutes		

WIRING



Wall Mount



Duct Mount

ORDERING INFORMATION

MODEL	DESCRIPTION
KCD	CO_2 sensor
	MOUNTING
W	Wall mount
D	Duct mount
	ANALOG OUTPUT
V	0-10 VDC
A	4-20 mA

KCD – W – V

Example: **KCD-W-V** Wall-mount CO_2 sensor with 0-10 VDC output