GAS & SPECIALTY SENSORS

CARBON DIOXIDE SENSORS

DESCRIPTION

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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. Voltage or milliamp analog output and convenient terminals 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. Also has 1000 ohm platinum 385 curve or 10K ohm Either Type II or II sensor options available.

FEATURES

- 24 VAC/VDC power
- 0-10 VDC or 4-20 mA output (0-5 VDC on units with temperature option)
- 0-2000 ppm CO2 range
- Wall-mount and duct versions
- Reverse polarity protected
- Simple push-button calibration
- Factory calibrated
- Temperature option





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Wall Mount

Duct Mount

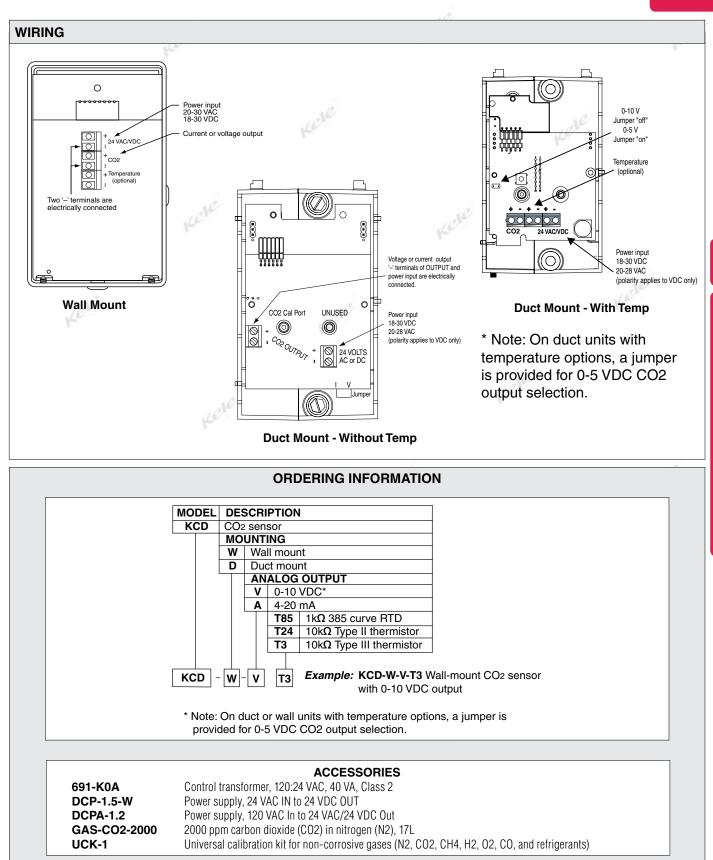
SPECIFICATIONS

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Supply Voltage	18-28 VAC @ 8 VA, 50/60 Hz,	Temperature	10
.0	reverse polarity protection or 18-30	Thermistor	10,000Ω Type II & III
	VDC @ 330 mA	RTD	1,000Ω Platinum 385 curve
Accuracy	±3% of reading or ±40 ppm	Operating Temperature	e 31° to 122°F (0° to 50°C)
Signal Output	0-10V (10k min.) or 4-20 mA (600Ω	Operating Humidity	0% to 99% RH (noncondensing)
	max) (0-5V on Duct or Wall w/ Temp	Dimensions	
	only)	Wall	4.5"H x 2.8"W x 1.0"D
Repeatability	±20 ppm		(11.4 x 7.3 x 2.54 cm)
Measurement Range	0-2000 ppm CO2	Duct	4.5"H x 2.8"W x 6.9"D
Sensing Technology	Non-dispersive IR (NDIR)		(11.4 x 7.3 x 17.5 cm)
Calibration	Push button @ 2000 ppm	Duct probe	1.7" (4.3 cm) diameter. 6.25"
Calibration Interval	5 years	-	(15.9 cm) long
Life Expectancy	10 years typical	Weight	
Visual Indication	Green < 1000 ppm, Yellow > 1000	Wall	0.25 lb (0.11 Kg)
	ppm, Red > 2000 ppm	Duct	0.5 lb (0.23 Kg)
Warm Up Time	3 minutes	Warranty	1 year
Response Time	<1 minute	-	-

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