GAS & SPECIALTY SENSORS

COMBINATION CARBON MONOXIDE SENSOR WITH CO2, RH, OR VOC

KCOC SERIES

NEW!

Kele

DESCRIPTION

The **KCOC Series Combination Carbon Monoxide Sensors** pair a CO sensor with a CO2, RH, or VOC sensor in the same enclosure—reducing installation time and space required. The unit provides visual indication and analog output of CO levels in enclosed spaces such as schools, offices, malls, and theaters. The analog output is available as 0-10V or 4-20 mA and is scaled from 0-200 ppm of CO. Optional sensor has the same analog output. The unit is pre-calibrated with a factory default setting of 20 ppm of CO. The sensors are equipped with pushbutton calibration and an easily accessible calibration port for field maintenance. Optional audible alarm indication, LCD display, or relay output are available. The LCD display can be setup to display either parameter.

Wall Mount

Wall Mount with Display

FEATURES

- ***Combines CO sensor with CO2, RH, or VOC sensor***
- ***LED status indication***
- ***Pre-calibrated to 20 ppm CO level***
- ***0-10V or 4-20 mA output***
- ***Optional relay output***
- ***Isolated power and output***
- ***Simple pushbutton calibration***
- ***Optional audible alarm***
- ***Optional LCD display***

Duct Mount

MADE IN USA

GREEN

SPECIFICATIONS

Power supply	20-28 VAC, 50/60 Hz, or 12-30 VDC, 5 VA @ 24 VAC, polarity protected
Sensing technology	
CO	Electrochemical
CO2	Non-dispersive IR (NDIR)
RH	Capacitive
VOC	Sintered metal oxide
Detection range	
CO	0-200 ppm
CO2	0-2000 ppm
RH	0% to 100% RH
VOC	0-1000 ppm ethanol equivalent
Accuracy	
CO	±2.5% full scale
CO2	±3% of reading or ±40 ppm
RH	5% of reading 20% to 80% RH
VOC	±10% ethanol equivalent
Output	0-10V or 4-20 mA (500Ω max) depending on model
Relay output	Optional, SPST 2A @ 24 VAC/VDC, closes >20 ppm
Alarm setpoint	Factory set at 20 ppm of CO
Visual indication	
LED	Flashes above 20 ppm of CO
Display	Optional, four-digit LCD
Audible alarm	Optional, 65 dB, set at 20 ppm of CO
Warm up time	<15 minutes (maximum accuracy)
Operating range	
Humidity	0% to 99% RH (noncondensing)
Temperature	32° to 122°F (0° to 50°C)
Enclosure	White finish, ABS, UL 94V-0
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
Weight	
Wall	4 oz (0.11 kg)
Duct	8 oz (0.23 kg)
Warranty	18 months

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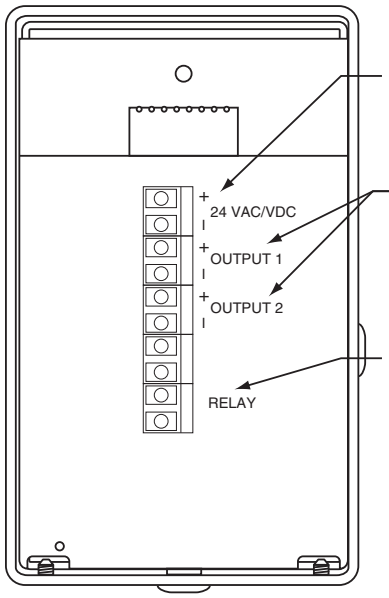
KCOC SERIES

WIRING



Power input
12-30 VDC
20-28 VAC
(Polarity matters for VDC only)

Voltage or current outputs.
All outputs are same type

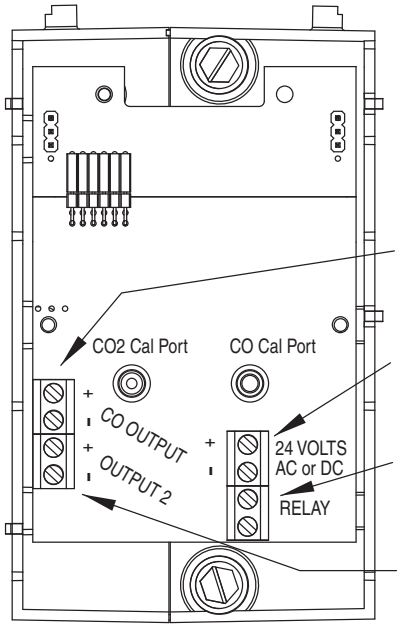
Not all outputs are used on every unit. See product manual for output assignments.

All '–' terminals are electrically connected, but isolated from power supply.

Dry contact rated
24 VAC, 2A max

Relay is optional and may not be present.

Wall Mount



Voltage or current outputs.
All outputs are same type.

All '–' terminals are electrically connected, but isolated from power supply.

Power input
18-30 VDC
20-28 VAC
(polarity applies to VDC only)

Dry contact rated
24 VAC, 2A max

Relay is optional and may not be present.

2nd sensor output.
See product manual for output type.

Duct Mount

CAUTION: Not to be used as a life-safety device.

ORDERING INFORMATION

MODEL	DESCRIPTION
KCOC	CO sensor with LED indication
	OPTIONAL ADDITIONAL SENSOR
	CO2 Carbon dioxide sensor
	RH Relative humidity sensor
	VOC Volitile organic compound sensor
	MOUNTING
	W Wall mount
	D Duct mount
	ANALOG OUTPUT
	A 4-20 mA output
	V 0-10V output
	OPTIONS (Can be combined)
	A Audible alarm
	LCD Four-digit LCD display
	R SPST relay output

KCOC – RH – W – A – LCD

***Example*: KCOC-RH-W-A-LCD** Wall mount CO and RH transmitter with 4-20 mA output, and LCD display

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