



DESCRIPTION

The **Kele KCOP Series Carbon Monoxide Detectors** are designed to monitor CO levels in parking garages, loading docks, factories, warehouses, transportation terminals, and more. Models are available with 4-20 mA output or dual relay output for designated warning and alarm CO levels. The detector features a tri-color LED which illuminates green to indicate the unit is powered and functioning properly. On the relay output models, the LED will illuminate amber and red for warning and alarm status. A red LED indicates that the sensor needs to be replaced. The microprocessor-based electronics are housed in a rugged, steel enclosure with hinged- or screw-covers. A low-temperature option is available for colder climates.

The **KCOP Series Carbon Monoxide Detectors** are 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. For more information on the proper application and use of this product please read "Environmental Safety Devices" in our technical reference section.

FEATURES

- **LED power indication**
- **4-20 mA or dual relay output**
- **Replaceable sensor**
- **Sensor end of life indication**
- **Jumper selectable warning/alarm levels (KCOP-R)**
- **Heavy-duty enclosures with hinge- or screw-cover**
- **Low-temperature option available -22°F (-30°C)**
- **Temperature compensated**



KCOP-A-S



KCOP-R-H

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GAS & SPECIALTY SENSORS

SPECIFICATIONS

Supply Voltage		Response Time	
KCOP	20-30 VAC @ 5 VA or 24 VDC @ 200 mA, 50/60 Hz	KCOP (all)	30 Seconds to warning
LT Option	20-30 VAC @ 26 VA or 24 VDC @ 1.1 A, 50/60 Hz	KCOP-R	13 minutes to alarm
Signal Output		Sensing Technology	Electrochemical
KCOP-R	Two SPDT relay contacts, 240 VAC, 2A resistive	Sensor Life Expectancy	Approximately 5 years
KCOP-A	4-20 mA (600Ω)	Relay Setpoints	Warning/alarm: 10/20 ppm, 25/50 ppm or 50/100 ppm, jumper selectable, (KCOP-R only) (5-10 ppm DIF)
Accuracy		Operating Humidity	5% to 99% noncondensing
KCOP	±2.5% full scale	Operating Temperature	32° to 122°F (0° to 50°C) (LT option) -22° to 122°F (-30° to 50°C)
LT Option	±4% full scale	Dimensions	6.50"H x 6.0"L x 2.13"D (16.5 x 15.2 x 5.4 cm)
Measurement Range	0-200 ppm	Weight	
Sensing Technology	Electrochemical	KCOP-A	3.5 lb (1.6 kg)
Calibration	Recalibrate with 25 ppm CO gas	KCOP-R	4.0 lb (1.8 kg)
Visual Indication	Status Green: Power on, microprocessor operating properly; Yellow: Warning; Red: Alarm	Warranty	1 year
Warm Up Time	Under 15 minutes		



GAS & SPECIALTY SENSORS

CARBON MONOXIDE DETECTORS

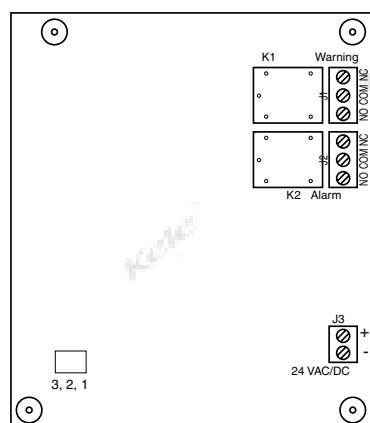
KCOP SERIES

INSTALLATION

The **KCOP Series** senses levels of CO for up to 5000 ft² (465m²) of coverage if there is normal air circulation within the area. Mount on a wall or column approximately 5' (1.52m) above the floor. The sensors should not be mounted in corners where airflow could be restricted.

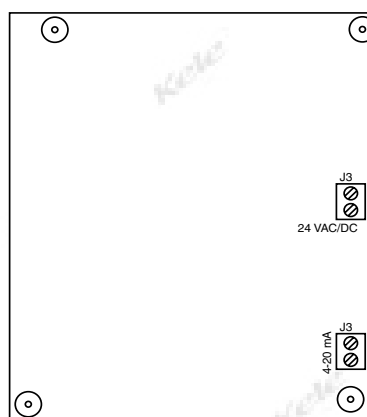
CAUTION: Not for diesel fume applications.

WIRING



3 - 50/100
2 - 25/50 Relay Range Settings
1 - 10/20

Relay Output



Analog Output

The KCOP has a non-isolated bridge circuit. Circuit ground is not electrically isolated from the input power. Use isolated power supply.

ORDERING INFORMATION

MODEL	DESCRIPTION
KCOP	R Relay output carbon monoxide sensor
	A Analog output carbon monoxide sensor
	H Hinged-cover enclosure
	S Screw-cover enclosure
	LT Low-temperature option -20°F (-29°C)
	10 ppm 10/20 ppm relay settings (KCOP-R only)
	25 ppm 25/50 ppm relay settings (KCOP-R only)
	50 ppm 50/100 ppm relay settings (KCOP-R only)

KCOP - R - H - 50 ppm **Example: KCOP-R-H-50 ppm** Carbon monoxide sensor with relay output and hinged cover enclosure.

RELATED PRODUCTS

PAGE

GAS-CO-25
UCK-1
KCOPCALIBRATCAP
CO-SR

25 ppm carbon monoxide (CO) in air, 17L
Universal calibration kit for non-corrosive gases (N₂, CO₂, CH₄, H₂, O₂, CO and refrigerants)
Calibration Cap for KCOP series
Replacement sensor for KCOP series

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ACCESSORIES

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691-K0A
DCP-1.5-W
DCPA-1.2

Control transformer, 120:24 VAC, 40 VA, Class 2
Power supply, 24 VAC IN to 24 VDC OUT
Power supply, 120 VAC IN to 24 VAC/24 VDC OUT

979

995

994