

EasyLogic™ Sensors

CO Transmitters

CP-AI-CO-SE



Product Description

The CP-AI-CO-SE is a wall-mount carbon monoxide (CO) transmitter designed for environmental monitoring and HVAC control applications. Each device features an active sensor that converts a measurement into an analog output: 4 to 20 mA or 0 to 10 Vdc.

This sensor is ideal for:

- Parking garage ventilation
- Air quality compliance
- Mechanical rooms

Features

- Electrochemical sensor
- Range: 0 to 250 PPM
- Accuracy: $\pm 5\%$ FS at 25 °C
- Selectable output: 4 to 20mA or 0 to 10V
- Supports DC and AC power supplies
- Wall mounted
- Three colored LEDs – green, yellow and red for easy status viewing
- Key component for the LEED green building program, WELL Building Standard and RESET Standard
- Compliance with ASHRAE standards for environmental control and indoor air quality

Available Products

Part Number	Description
CP-AI-CO-SE	Wall-mounted CO transmitter, $\pm 5\%$ FS at 25 °C

Specifications

General	
Operating voltage	24VAC $\pm 10\%$ or 12-30VDC*
Frequency	50/60Hz
Power consumption	≤ 1 VA
CO Sensor	
Sensor type	Electromechanical
Measuring range	0 to 250ppm
Accuracy	$\pm 5\%$ FS at 25 °C
Repeatability	$\pm 2\%$
Analog output	DC power supply: 0 to 10V/4 to 20mA AC power supply: 0 to 10V
Output load	Min. load resistance for 0 to 10V operation: 10k Ω Min. input voltage for 4 to 20mA operation: 250 Ω loop=12VDC; 500 Ω loop=21.6VDC
Response time	≤ 60 s T90
LED indicator	3 LEDs
Calibration	Factory calibration
Long term stability	<5% per year (typical)
Environment	
Operating temperature	-10 to 50 °C
Operating humidity	15 to 95% RH (non-condensing)
Storage temperature	-20 to 50 °C**
Storage humidity	15 to 95% RH (non-condensing)
IP rating	IP30
Housing material	PC+ABS, UL94-V0
Regulatory Information	
Agency approvals	CE: EMC (EN61326-1) Green Premium EU ROHS, China ROHS, REACH, RCM (Australia), UKCA (UK)
Weight	
Including packaging	130g

*Class 2. Connect all devices with proper polarity; AC power supply only supports 0 to 10V output.

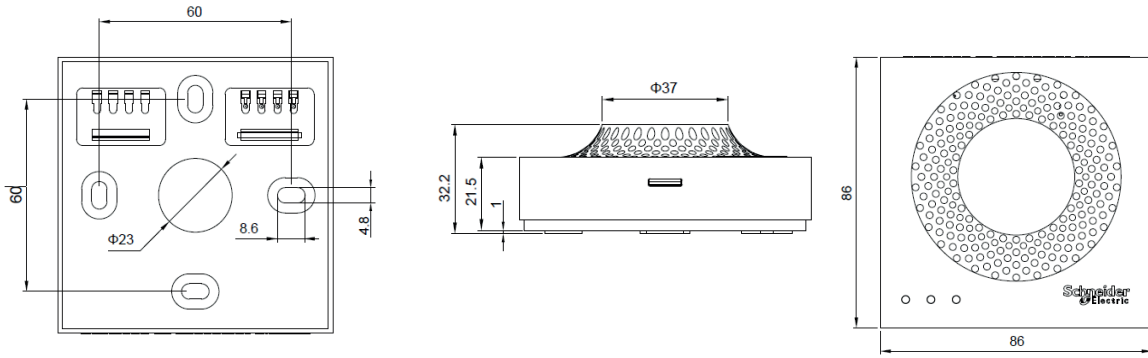
**It is recommended to store sensors in a cool location (0 to 20 °C) with normal ambient humidity.

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Life Is On

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Dimensions (mm)



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