



### DESCRIPTION

The **Honeywell Analytics Model TP1-M Carbon Monoxide Sensor** features a two-wire, 4-20 mA output signal and two alarm outputs. It is the first available zero-maintenance CO gas monitor with an electrochemical sensor. The **Model TP1-M** has a low initial cost and installs quickly and easily into a standard single-gang outlet box. It has a two to three-year operational life and never needs calibration.

The **Model TP1-M Carbon Monoxide Sensor** is 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

- 0-500 ppm CO range(non-adjustable)
- High accuracy (5% of range) electrochemical industrial sensor
- Two alarm levels (25 and 200 ppm)
- Two wire, loop-powered 4-20 mA analog output
- LED status/diagnostic indicator
- Low power consumption, only 50 mA
- Fits standard single-gang outlet box
- Automatic, full function self-test performed daily
- Unobtrusive design with rugged stainless steel screen
- Two to three-year operational life



TP1-M

**Honeywell Analytics**

experts in gas detection



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GAS & SPECIALTY SENSORS

SPECIFICATIONS			
<b>Supply Voltage</b>	10-28 VDC @ 50 mA	<b>Wiring Terminations</b>	18-22 AWG
<b>Accuracy</b>	±5% of full range	<b>Operating Temperature</b>	32°F to 104°F (0°C to 40°C)
<b>Signal Output</b>	Two-wire, 4-20 mA @ 650Ω, Output signal fail modes Self-test fail 2 mA; Sensor expired 2 mA Overrange gas alarm 24 mA	<b>Operating Humidity</b>	15% to 90% noncondensing
<b>Measurement Range</b>	0-500 ppm	<b>Dimensions</b>	2.56"H x 1.75"W x 1.36"D (6.5 x 4.5 x 3.5 cm)
<b>Life Expectancy</b>	2-3 years (plus one-year shelf life)	<b>Weight</b>	0.42 lb (0.18 Kg)
<b>Sensor Technology</b>	Electrochemical	<b>Approvals</b>	CSA IEC No. 1010 ANSI/ISA S82.01 CSEC C22.2 No. 1010 EMC Directive 89/336/EEC
<b>Calibration</b>	None-Disposable	<b>Warranty</b>	2 years
<b>Visual Indication</b>	Power on: On No power: Off Self-test fail: Fast flash (1 per 0.5 sec) Life ending: Slow flash (1 per 2.0 sec) provides one-month warning Life ended: Off		
<b>Alarm Contacts</b>	250 mA @ 24 VDC max (transistor switch) 10% DIF		



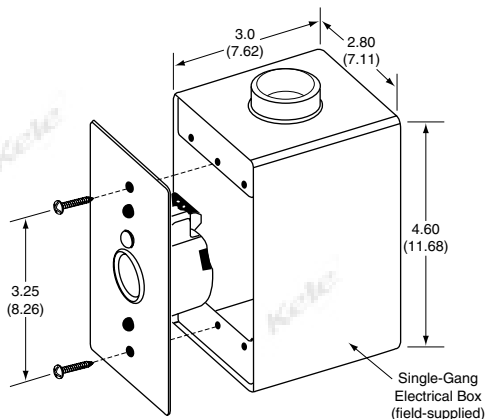
# GAS & SPECIALTY SENSORS

## CARBON MONOXIDE TRANSMITTER

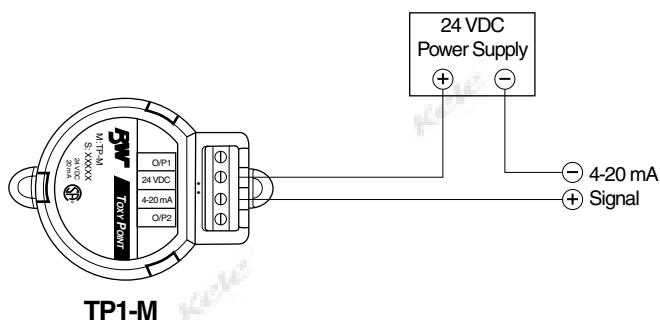
**TP1-M**

### DIMENSIONS

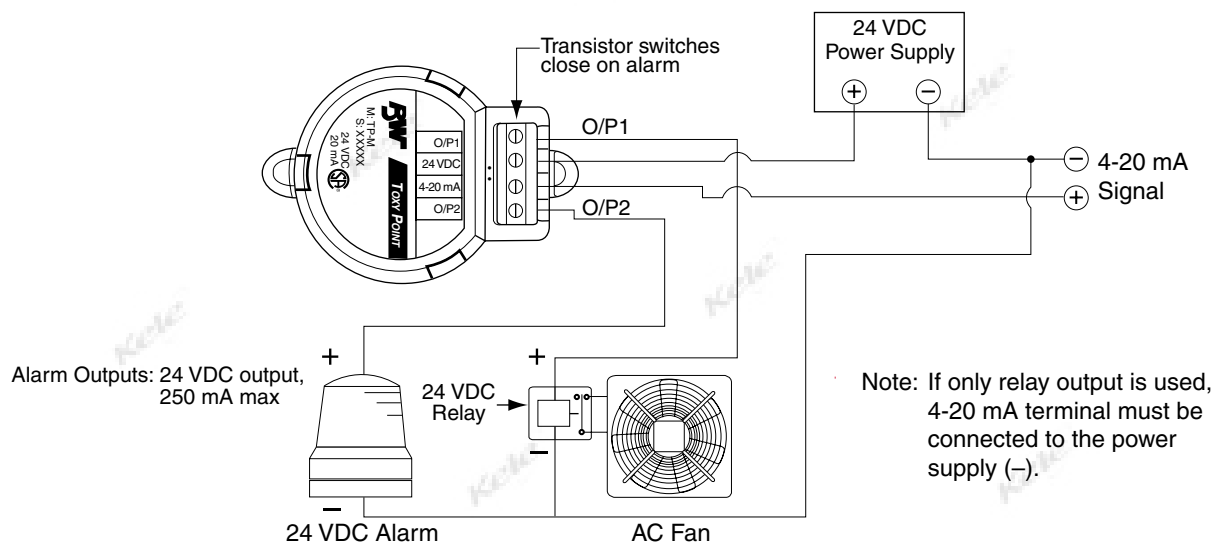
in  
(cm)



### TWO-WIRE INSTALLATION



### ALARMS OUTPUTS INSTALLATION



### ORDERING INFORMATION

**MODEL**  
**TP1-M**

**DESCRIPTION**  
Carbon monoxide sensor

**DCP-1.5-W**  
**DCPA-1.2**

#### ACCESSORIES

Power supply, 24 VAC IN to 24 VDC OUT  
Power supply, 120 VAC IN to 24 VAC/24 VDC OUT