Carbon Monoxide CO detection unit

Technical & User Guide CO

INDUSTRIAL AND MINING CONTROLLERS

Technical & User Guide CO

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Introduction

The CO monitor is a small self contained unit designed to measure CO. The CO monitor operates between 8 and 30Vdc. Two models are available:

- 1. 4-20ma output.
- 2. RS485 communication.

Connection and operation

The connection consists of four wires for the RS485 model or three wires for 4-20mA model.

<u>RS485</u>	<u>4-20mA</u>
Green/Yellow - +8v - 35v	Brown - +8v - 35v
Black $1 - 0v$	Blue – 0v and Common for 4-20mA
Black 2 – RS485+	Green/Yellow – 4-20mA
Black 3 – RS485-	

The CO sensor supplies 4ma at 0ppm and 20ma at the "MAX" setting in the menu. (Default 200ppm.)

The display will flash if the CO exceeds the "TRIP" setting in the menu. (Default 30ppm)

To calibrate the 4ma loop, set the menu to 4ma. With the V+ or V- buttons on the infra red remote control adjust the setting until the current sourced by the CO sensor is 4ma. Press the "ENTER" button to save the setting.

To test the 4-20ma loop adjust the "4-20" setting in the menu with the V+ or V- buttons. The CO sensor will source between 4 and 20ma according to the value on the display. Press the "STOP" button to exit.

Quick help guide

Power up

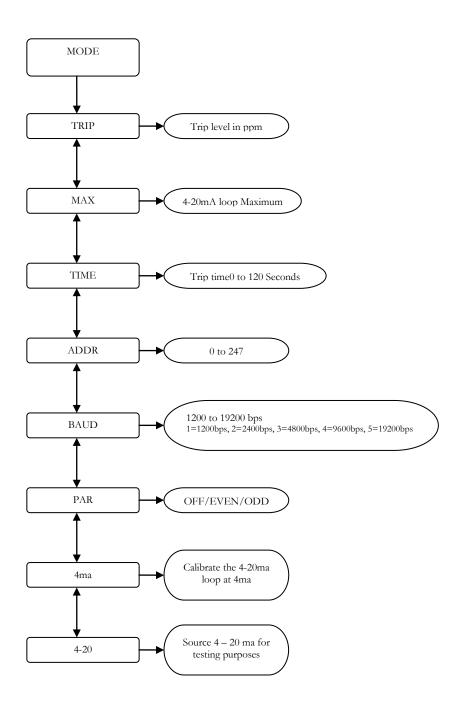
• Apply 8Vdc - 30Vdc to the Positive and Negative terminals

Infra red remote control

- All the parameters are adjustable via the standard infra red remote control available as an option.
- ARROW UP will scroll up through the menu titles

- ARROW DOWN will scroll down through the menu titles
- ARROW RIGHT will increase the value on the display
- ARROW LEFT will decrease the value on the display
- ENTER will execute the function

Menu structure on the CO Monitor



Specifications

Description: Fixed installation CO monitor

Size: 60mm diameter X 85mm long

Power: 8 to 30 Vdc

Communication: RS485 Modbus RTU

Infra Red

Visual indication: Led (4X1 dot matrix)

Red light emitting diode

Input: CO Sensor

Terms and conditions

Product Agreement

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