

Carbon Monoxide Detector-Transmitter E2638-CO

LCD
indicator
option

IP65

4-20 mA
0-10 V

RS485
Modbus

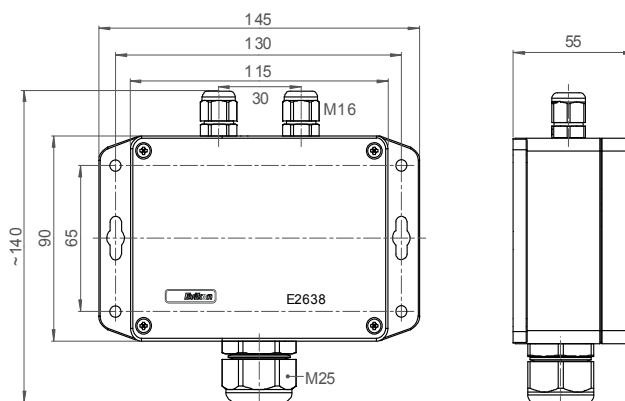

Features

- Accurate and stable measurement
- Easy to install robust enclosure
- Remote probe option
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface
- Relay option
- LCD indicator option

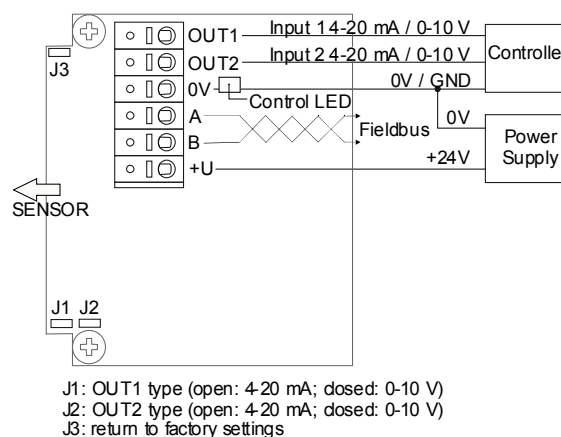
Specifications

Calibration	Carbon Monoxide CO
Sensor type	Electrochemical cell
Sampling method	Diffusion
Detection range	0...1000 ppm CO
Resolution	1 ppm CO
Accuracy	± 5 ppm CO
Signal update	Every 1 second
Response time	~30 seconds
Maintenance interval	6 months
Sensor lifetime	> 6 years
Self-diagnostics	Full functionality check at start-up
Warm-up time	≤ 1 min
Power supply	11...30 VDC, 24 VAC or 90...265 VAC
Power consumption	< 2 VA
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable
Output scale width	Recommended: 5-100% of the range; > 10 × resolution in any case
Enclosure	Grey ABS plastic, protection class IP65
Dimensions	H90 × W145 × D55 mm H140 with cable glands
Operating environment	Industrial indoor and outdoor areas without aggressive gases
Operating conditions	-20...+50 °C, 15...95 %RH non ATEX rated areas
NOTE The sensor may exhibit sensitivity to acetylene, ethylene, hydrogen and nitric oxide	

Dimensions



Connection diagram



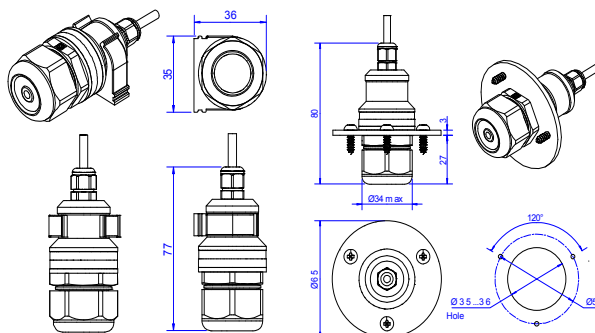
Additional options

Remote sensor probe	Protection IP65, shielded cable default cable length 3.0 m
Relay outputs	
Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max
Default alarm set-points	RE1 (LOW): set 25; release 20 ppm RE2 (HIGH): set 35; release 28 ppm
Visual alarm	Red and green LEDs (option)
Acoustic alarm	Buzzer 85 dB (option)

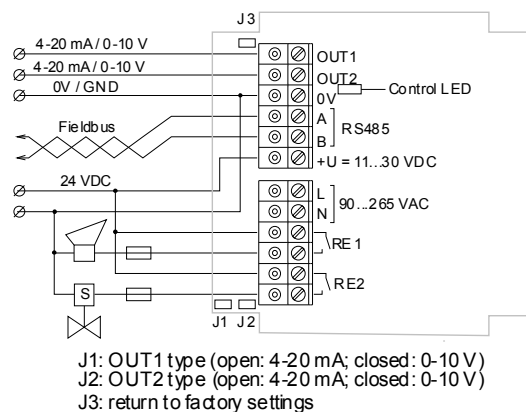
LCD indicator

Operating temperature	0...+50 °C,
Display dimensions	72 × 36 mm
Number of digits	3.5 7-segment
Character height	14 mm
Other features	Backlight
Note: only one analog output is available for a version with LCD	

Remote probe



Connection diagram for relay version



LCD indicator option

