BELIMO

Technical data sheet

Room CO sensor

The CO room detector uses an electrochemical sensor to monitor the carbon monoxide level.



Type Overview

Type	Output signal active CO	Output signal active temperature	Measuring range	Display type
EXT-TN-1100018	4...20mA DC 0...10 V	4...20mA DC 0...10 V	0...100	-
EXT-TN-1100041	4...20mA DC 0...10 V	4...20mA DC 0...10 V	0...400	-
EXT-TN-1100042	4...20mA DC 0...10 V	4...20mA DC 0...10 V	0...100	LCD
EXT-TN-1100043	4...20mA DC 0...10 V	4...20mA DC 0...10 V	0...400	LCD

Technical Data

Electrical data	Power Supply DC	15...24 V, ±10%
	Power Supply AC	24 V, ±10%
	Electrical connection	Screw terminal, max. 1.5 mm²
	Cable entry	~30mm x 10mm on the backside
Functional data	Sensor Technology	Electrochemical
	Output signal active note	Selectable output DC 0...10 V / 4...20mA Voltage output: min. 10 kΩ load
	Display	LCD, (50x18mm) Measured values: CO, temperature
	Media	Air

Measuring data	Measured values	CO Temperature
	Measuring range CO	0~400 ppm
	Measuring range temperature	0...50 °C [32...120 °F]
	Accuracy CO	5%FS
	Life expectancy	7-10 years
	Coverage area	100-150 sqm
	Response time	60s/63%
Materials	Housing	White ASA, RAL 9010 (Pure white)
Safety data	Ambient humidity	85% r.H., non-condensing
	Ambient temperature	-25°C...70 °C
	Medium temperature	-35°C...70 °C
	Protection class IEC/EN	III Safety Extra-Low Voltage (SELV) IEC 60529
	Protection class UL	UL Class 2 Supply
	EU Conformity	CE Marking
	Certification IEC/EN	IEC/EN 60730-1
	Degree of protection IEC/EN	IP30
	Weight	0.123 kg
	RoHS Compatibility	RoHS 2011/65/FC

Safety notes



The installation and assembly of electrical equipment should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorised modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with
- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

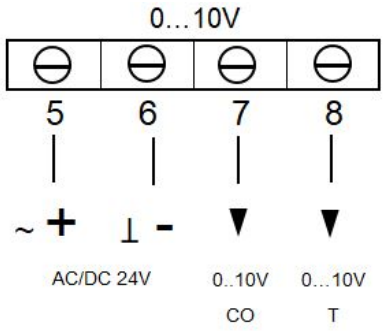
Remarks

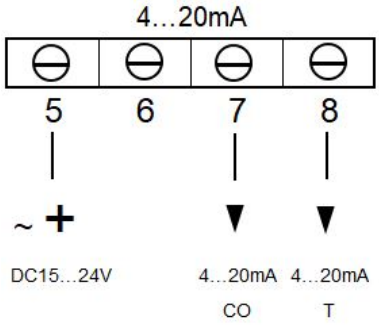
Installation recommendation Above floor level 150...180cm

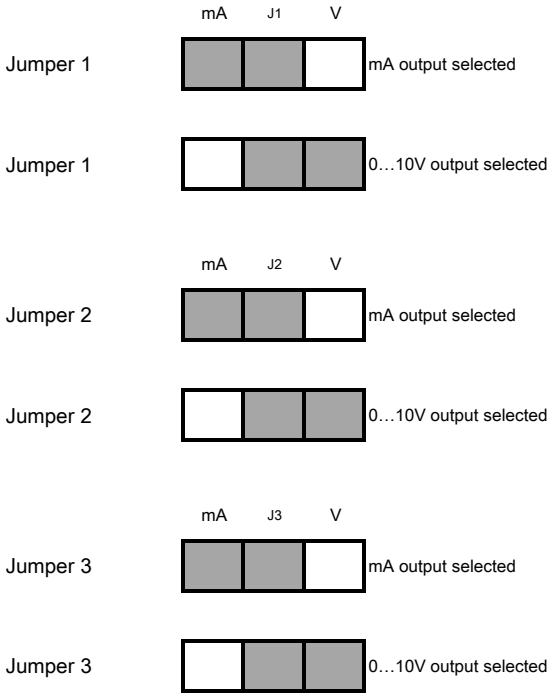
Accessories

Screws

Wiring diagram







Note: All 3 Jumper have to be set. All have to be either 0..10V or 4..20mA

Dimensions

