

WPDL/CA3 detectors are suited for all industrial and tertiary applications where the detection of low concentrations of carbon monoxide (CO) is needed.

WPDL/CA3 detectors are particularly indicated for carbon monoxide (CO) detection in car parks and garages. The CA3 replaceable plug-in sensor module fitted inside the B20- WPDL/CA3 detectors is equipped with a high-quality and high-precision electrochemical cell combined with an industrial type electronic control circuit which guarantees a fast and reliable maintenance of plants.

The CA3 replaceable sensor module has a typical operating life of 5 years. The detector counts the working time of the module and advises in advance the need to replace the sensor module by means of a blue led blinking.

The wide supply voltage range (10 + 30 Vdc) allows the detector to be used with both 12V and 24V control units. The solid IP55 enclosure protects the detector against dust and water.

Features

- Linear 4 + 20 mA
- Measure range 0-300 ppm
- Wide supply voltage range (10 + 30 Vdc)
- Replaceable plug-in sensor module with long life (5 years) professional electrochemical cell sensor
- IP55 enclosure rating

Ordering Information

Models

B20-WPDL/CA3	Carbon monoxide (CO) 0-300 ppm
--------------	-----------------------------------

Compatible controllers

B30-MODULA4	MODULA 4 control unit
B30-MODULA8	MODULA 8 control unit
B30-MODULA40	MODULA 40 control unit
B20-UN2A	UNIKA 2 control unit
B20-UN4A	UNIKA 4 control unit

Compatible with all 4÷20 mA control units

Specifications

Power

Power supply: 10÷30 Vdc
Current consumption: 50 mA @ 10 Vdc / 30 mA @ 30 Vdc

Environmental

Operating temperature: -10 / +40°C
Stockage temperature: +10 / +30°C
Relative humidity (RH): 20÷95% non-condensing
Enclosure rating: IP55

Mechanical

Dimensions: Ø 96 x 59 mm
Weight: 165 gr
Color: Light grey (RAL 7035)
Housing: PC-ABS autoextinguishing
Mounting: Wall mounted

Sensor module

Sensor type: Electrochemical cell
Sensor module life: 5 years (replaceable)
Measure range: 0-300 ppm

Visible indications

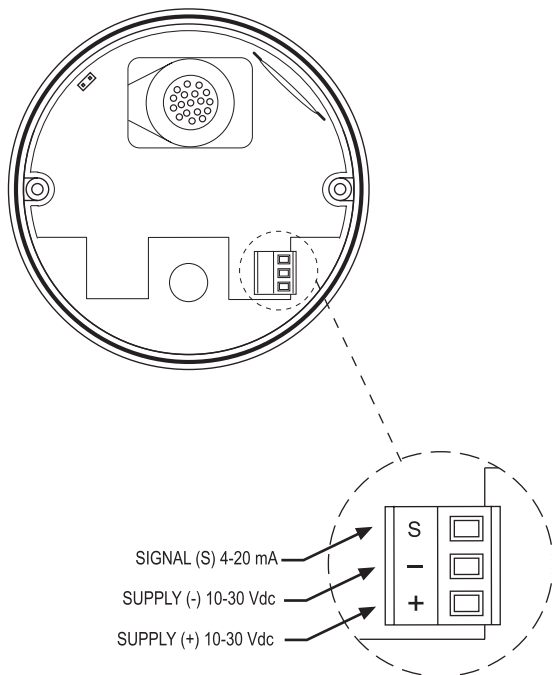
Yellow led: Fault condition
Blue led: CA3 sensor module life expiration

Transmitter

Transmitter: 4÷20 mA linear transmitter
Range: 4÷20 mA
OFF: 0 mA
Fault: < 2 mA
Overrange: 24 mA

Approvals

EMC (EN 50270)



Carbon monoxide gas detectors

WPDL/CA3

Typical applications

- Car parks
- Garages

This data sheet replaces previous ones.
The manufacturer can change without prior notice product specifications and details. Descriptions and illustrations are shown only in order to aid the customer. All data herewith enclosed is the copyright protected.



BELT DETECTION S.r.l.
Strada del Fornacino, 108/b
10040 Leini (TO) - Italy
Tel. [+39] 011.9966033
e-mail: info@belt-detection.com
www.belt-detection.com