

### Description

CO<sub>2</sub> High Range Sensor is designed to be connected to CO<sub>2</sub> High Range Alarm. If the CO<sub>2</sub> sensor is connected to any other supply it must be protected with a 500mA fuse.

As standard the CO<sub>2</sub> sensor is equipped with 10 meter cable which can be shortened to your requirements. It is also equipped with a heating element which keeps the CO<sub>2</sub> sensor reliable at an operating temperature down to -25°C. If sensor is placed in -25°C the warm-up time is up to 20min. Absolute accuracy is not obtained until the temperature of the CO<sub>2</sub> sensor is higher than 0°C.

The sensor uses the widely used ABC algorithm, which ensures long life without calibration. Only the room cannot be used constantly, but must regularly get sufficient airflow to lower the CO<sub>2</sub> to fresh air level (400ppm).

We recommend using CO<sub>2</sub> sensor High range in combination with CO<sub>2</sub> High Range Alarm (49124).

For a detailed manual of sensor and complete alarm system with CO<sub>2</sub> sensor and alarmbox, please scan QR-code at the bottom of this product sheet.



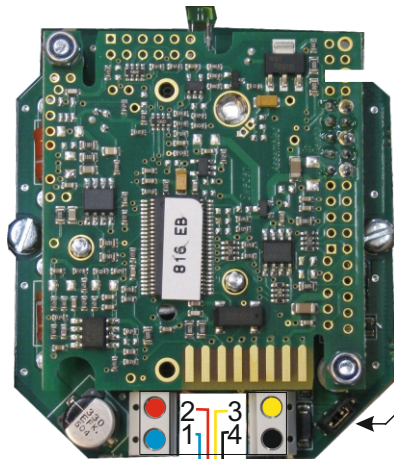
### WARNING

 ESD-Sensitive when the lid is removed. Make sure to be ESD discharged before installation.

### Mounting

Must be mounted on a vertical wall 20-70cm above floor with the cable outlet pointing downwards. Must be protected from direct sunlight.

### Terminal Connection



Blue 0V/GND  
 Red +13V DC  
 Yellow 0-10V  
 Black 0V/GND

#### Jumper

In position A terminal 4 is connected to 0V. The LED at the top of the CO<sub>2</sub> Sensor is lit when supply to sensor is ok.

In position B terminal 4 is connected to the LED. The LED is lit, when terminal 4 is drawn to 0V. Meaning that LED is lit when the heating element has warmed up the sensor to operational temperature.

Manufacturing setting is position A

### Technical Specifications

Supply Voltage:	13V DC ±3% max 5W
Enclosure:	IP43
Dimension (HxWxD):	93x93x23mm
Operating Temperature:	-25°C to +40°C condensation free
Measurement Area:	0-10.000ppm CO <sub>2</sub>
Accuracy:	±5%
Output CO <sub>2</sub> :	0-10V max 5mA

Date: 20-04-2023  
 Drawn by: DF  
 Document No.: 950-205801 CO<sub>2</sub>\_Sensor\_High\_Range  
 Rev.: 3.1  
 Manufactured by: **LS Control A/S**, Industrivej 12, DK-4160 Herlufmagle



QR-kode for  
 download of manual

