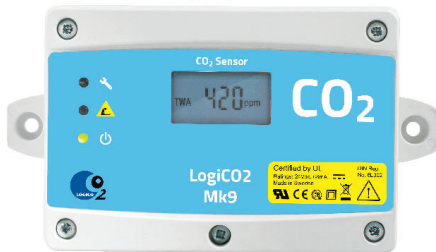


CO2 Mk9 Sensor (1134) for LogiCO2 Safety Systems



TECHNICAL DATA

| | |
|-------------------------------|----------------------|
| Power supply: | 12-24V DC |
| Number of sensors: | 1-8 |
| Communication: | RS485 Modbus |
| Automatic calibration: | Several times a year |
| Ingress protection: | IP56 |

The Mk9 Sensor is adjustable for altitude compensation.

FUNCTION

The Carbon Dioxide (CO₂) Sensor is designed to measure the ambient CO₂ concentration. It provides an alarm in the event that a CO₂ level considered unhealthy/dangerous in accordance with existing safety codes.

The basic CO₂ Sensor uses IR technology to measure the CO₂ concentration and communicates with MODBUS. It can be used as a stand alone unit, connected to the LogiCO₂ Central Unit or be used as a sensor in a larger computerised monitoring system. A separate electronic transformer supplies 24 V power to the system. The system monitors STEL as well as TWA levels of CO₂. The system also provides visible indication of CO₂ levels and temperature in the area where the remote sensor is located. The CO₂ Sensor performs a self-calibration at regular intervals ensuring calibration under normal circumstances. This eliminates the need of manual service calibration in most normal environments.

When installed properly, the CO₂ Safety System will continuously monitor the CO₂ concentration and temperature wherever a sensor unit is located. A green light emitting diode (LED) indicates normal safe conditions. If ambient conditions at the sensor unit reach a CO₂ concentration level of 1.5% (preset low alarm), the unit will emit an intermittent audible tone and the «low alarm» red LED will blink. A remote indication can be done with the two separate outputs, for example Horn/Strobes.

APPROVALS

CE, EN55022 :2006/A1 :2007, EN55024/A2 :2003, EN61000-3-2 : 2006, EN61000-3-3/A2 :2006, AS/NZS CISPR 22 :2006, IEC/EN :IT55022/55024, LNE Règle de certification NF 128 rev 12 Nov 2007 (§2.1.2.4.3.) for the S8 CO₂ Sensor Module. UL Certified. DIN6653-2:2015-06.

In the United States, the Mk9 system is in compliance with International Fire Code (IFC) 2015 Edition Section 5307.5.2.2, CGA G-6.5 2013, NFPA 55 2013 Edition 13.2.2 and NBIC Part 1 Supplement 3 S 3.4.

In compliance with EU Commission Directive 2006/15/EC of 7 Feb 2006 as well as OSHA – PEL (Permissible Exposure Limit) of TWA for CO₂.

ORDERING EXAMPLE

| Description | Item code |
|------------------------------|-------------------|
| CO2 Sensor Mk9 without cable | 1134 (Spare part) |