

O2 Mk9 Sensor KIT (2124)

O2 Sensor kit with amber Horn/Strobe for LogiCO2 Safety Systems



TECHNICAL DATA O2 MK9 SENSOR

Power supply:	24V DC
Operating Principle:	FB-optical
Measurement range:	0-25% O ₂ -concentration
Accuracy:	<2% FC
LED indications	
Green:	Operation
Yellow:	Fault
Red:	Alarm (<19,5% O ₂)
Sound indication	
Beeping:	Fault
Continuous:	Alarm
Dimensions (LxWxD)	90x161x38 mm 3.5"x6.3"x1.5"
Ingress protection:	IP 44

TECHNICAL DATA HORN/STROBE

Nominal voltage:	18-24V DC
Average current:	120 mA @ 24V DC supply
Decibel:	110 dB / 1 m (High-Alarm)
Flash intensity:	115 CD (Low-Alarm)
Flash frequency:	65/min
Ambient temperature:	-5°C to +50°C (+23°F to +122°F)
Dimensions (LxWxD):	134 x 115 x 61 mm / 5.3" x 4.5" x 2.4"
Ingress protection:	IP65

FUNCTION

The LogiCO2 oxygen sensor (O₂) has a FBO oxygen sensor with built-in temperature and pressure adjustment. The oxygen sensor is factory calibrated and measures the ambient oxygen partial pressure (ppO₂) levels. The sensor benefits from low power operation and a long lifetime (> 5 years) due to the non-depleting sensing principle.

The O2 Sensor KIT is an instrument comprising of one Sensor Unit and one Horn/Strobe, cables and warning signs. The O2 Sensor KIT is an add-on sensor for an existing Safety System and it is pre-set with the address: ID2. The O2 Sensor KIT receives it's power from the existing Safety System. The Safety Systems Central Unit must be set to receive measuring values from two sensors. See section "DIP-switch settings, Number of connected sensors" in the LogiCO2 Safety System's User's Manual.

Installed properly, the O2 sensor will continuously monitor the O2 concentration that it is exposed to. A light emitting diode (LED) indicates that the O2 sensor is running properly. The Mk9 O2 sensor performs a self-calibration at regular intervals insuring calibration under normal circumstances. This eliminates the need of manual calibration in a normal enviroment.

The O2-sensor has a backlit display showing the current O2 concentration and the uptime (measure of operating time) in hours.

ALTITUDE ADJUSTMENT

The LogiCO2 Mk9 O2 sensor has altitude compensation.

ALARM LEVELS

The default alarm level setting on the O2 sensor is:
A-alarm (Evacuation alarm) at 19.5% O₂.

The O2 sensor can be set to make an alarm at three different levels to comply with all local Safety Codes and legislations. Two B-alarms (service alarm) and one A-alarms (evacuation alarm) can be set. For example:

B-Alarm at 19,5% O₂
B-Alarm at at 23% O₂
A-Alarm at 18% O₂

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O2 Mk9 Sensor



Horn/Strobe



SIGN O2 H/S B EN

ORDERING EXAMPLE

Description	Item code
O2 MK9 Sensor KIT	2124

O2 MK9 Sensor KIT consists of:

- O2 MK9 Sensor, incl. 5m cable
- Horn/Strobe LED, incl. 1m cable
- RJ45 splitter 1-1
- RJ45 splitter 1-4
- Cable RJ45 10m Red plugs
- Sign O2 H/S EN