Cold Room CO2 sensor SET (3349)
LogiCO2 Cold Room Sensor SET including Horn/Strobe

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FUNCTION

Conventional CO2 detectors are not made for cold environments and usually have an incorrect measurement of 30-40% or more, meaning that the sensor does not make an alarm when it should, and people could work in environments with CO2 levels above the Immediate Danger to Life and Health limit of 4% CO2 without being notified.

Some sensor manufacturers are battling this problem by adding heating radiators inside the housing which adds cost and can shorten the life of the unit.

The new LogiCO2 Cold Room CO2 Sensor is made for cold temperatures and ensures safety to staff and customers by precise measurements.

ALTITUDE ADJUSTMENT

The Cold Room CO2 Sensor is adjustable for altitude compensation.

ALARM LEVELS

The alarm levels can be changed to any level to comply with all local Safety Codes and legislations.

The default CO2 alarm levels are:

5 000 ppm	CO2 Awareness indication
5 000 ppm	TWA Alarm/8h (PEL)
1.5% (15 000 ppm)	Low-Alarm ½ STEL
3.0% (3 0000 ppm)	High-Alarm STEL

TECHNICAL DATA

Power supply:	12-24V DC
Operating temperature:	-40°C to 25°C
Communication:	RS485 Modbus
Automatic calibration:	Several times a year
Ingress protection:	IP54

TECHNICAL DATA HORN/STROBE

Nominal voltage:	18-24V DC
Power consumption:	80 mA peak @ 24V DC supply
Decibel:	110 dB / 1 m
Flash intensity:	115 CD
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

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 ALERT Mk90 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, as well as OSHA – PEL (Permissible Exposure Limit) of TWA/8 hrs for CO2.
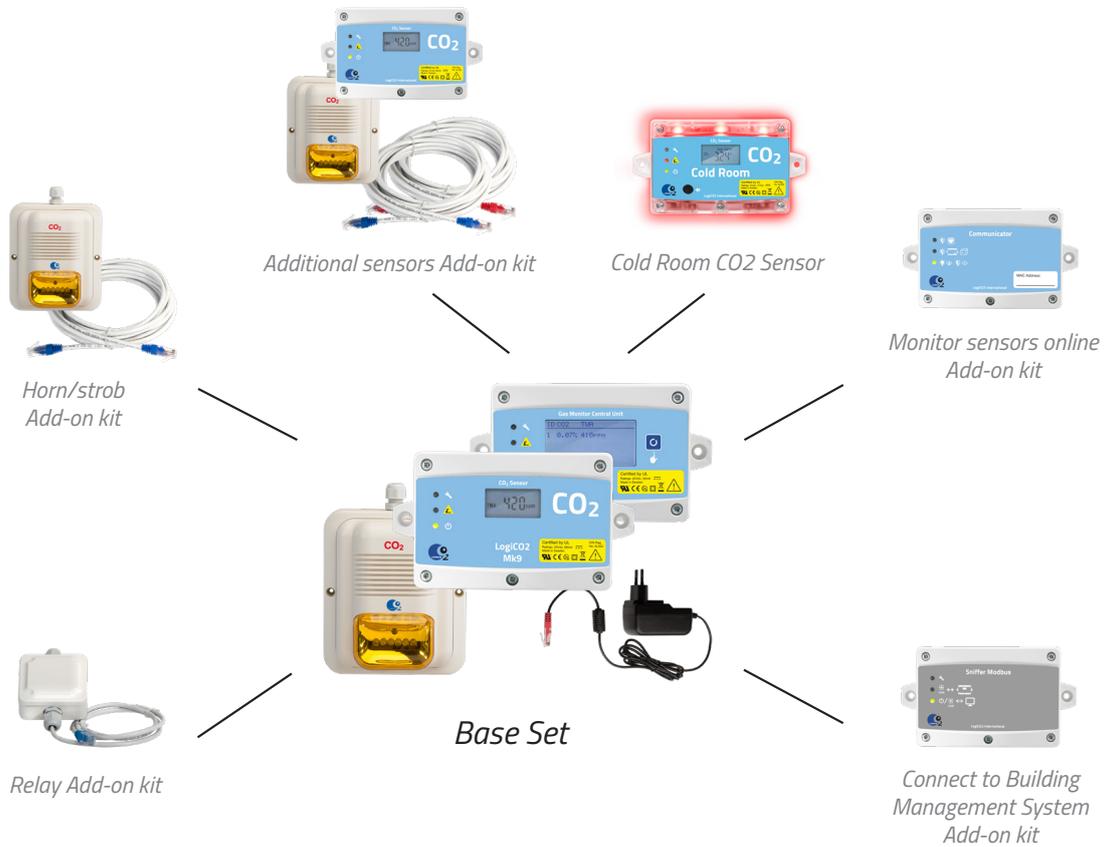
In compliance with EU Commission Directive 2006/15/EC of 7 Feb 2006.

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INSTALLATION AND EXPANDABILITY

Up to 12 sensors can be connected to one central unit. Add-On Kits are connected to the Base Set using Plug&Play for a quick and simple installation.

Additional sensors Add-on kit

Cold Room CO2 Sensor

Monitor sensors online Add-on kit

Horn/strob Add-on kit

Base Set

Relay Add-on kit

Connect to Building Management System Add-on kit

ORDERING EXAMPLE

Item code	Description
3349	Cold Room CO2 sensor SET

3349 consists of:

	CO2 Mk90, incl. 1 Cable blue 10m and 1 Cable red 5m
0440	Horn/Strobe LED amber glass with blue indicator, incl 1m cable and sign
0519	RJ45 1-1 split
0021	Transformer 1A, incl Plug UL, SE, AU, UK for transformer
HF-MK1004	Plug-lock
	Bag with 3 Collar Seals, 6 stripes, 24 screws and plugs
SIGN CO2 SENSOR MK90 EN	Sign CO2 Sensor Mk90 EN
SIGN CO2 H/S B EN	Sign Horn/strobe Mk9/90 EN
HFE1153	Installation manual Mk90
HFE1155	Quick-guide Mk90

ACCESSORIES

Item code	Description	
0328	CO2 Central Unit Mk9 KIT 4 A	
0471	RCB with delay for fire alarm, 1 m cable	
0468	SMB Safe mode box - shut off valve	
0560	Bag with Collar Seal 10 pcs incl stripes 20 pcs	
0185	Protection Cover	