

User Manual

0486 Power Monitor



ENGLISH

Power Monitor for LogiCO2 Safety System.

Important!

Retain this instruction manual for future reference: Please read these instructions carefully prior to start-up and use. Failure to follow any of these instructions could void product warranties. LogiCO2 assumes no responsibility for claims arising out of improper or careless use or handling of its products.

Technical specifications

Power supply

- Safety System: 24V DC
- Batteries: 2 x AAA Alkaline 1,5V batteries*

Battery control internal: Once per hour

Low power trig point: 18V

No power trig point: Approx 3V

Wiring connections: RJ 45

Acoustic signal-strength: ~80 dBa (1m)

Operating temperature range: 0 to +45°C (32 to +113°F). Only for indoor use.

Overtoltage: Category II

Pollution degree: II

Dimensions (LxWxD): 90 x 161 x 38 mm / 3.5" x 6.3" x 1.5"

Ingress protection: IP54 according to TÜV, IP44 according to UL

***NOTE!** Do not use NiMH, NiCd or 3V AAA Lithium batteries.

Function

The Power Monitor is a surveillance unit which ensures that the personnel are alerted in case there is a power failure that puts the LogiCO2 Safety System out of function. It has a built-in buzzer and place for two AAA alkaline batteries (batteries not included).

If there is a power failure the Power Monitor makes an alarm. The Power Monitor alarm will buzz for at least 12 hours.

If the LogiCO2 Safety System is powered via a UPS power back-up, it is recommended to install a Power Monitor that monitors the UPS-function. In case the UPS's batteries run out, the Power Monitor will give an alarm informing that the LogiCO2 Safety System is out of function.

The three LEDs show the current status:

LED	Information
Green LED	The safety system has power
Red LED	1. Continuous beep and LED-light: No power to the safety system 2. Double beep and LED-flash every other second: Safety system power below 18V
Yellow LED	Beep and LED-flash every five seconds: Poor batteries in the Power Monitor, replace the batteries.

Installation

Install the Power Monitor as far out in the LogiCO2 Safe System as possible. The Power Monitor can detect a system power failure on both the red and blue cables of the Safety System.

Mount the Power Monitor in a suitable location where it is easily seen and heard. Do not cover the Power Monitor. Remove the cover by unscrewing the five Phillips-screws.

Use a splitter and connect the Power Monitor to the Safety Systems red or blue cabling (red/blue RJ45 connectors). Install two high performance AAA Alkaline batteries (i.e. Duracell Ultra or GP Ultra) in the Power Monitor within 30 seconds after connecting it to the LogiCO2 Safety System being monitored. If no batteries are installed within 30 seconds, the Power Monitor will activate a "low battery" alarm.

30 seconds after the Power Monitor has been connected to the LogiCO2 Safety System, the Power Monitor checks the battery status. After that, the battery check is done once every hour.

Start-up

How to start-up Power Monitor in order to avoid activating the buzzer during the start-up:

1. Mount the Power Monitor in a suitable location.
2. Remove the cover by unscrewing the five Phillips-screws.
3. Disconnect the red cable **installed in the Power Monitor**.
4. Use a splitter and connect the Power Monitor in the Safety Systems red or blue cabling. See Fig. 1 and Fig. 2.
5. Install **one** new AAA battery.
6. Reconnect the red cable in the Power Monitor.
7. Install the other new AAA battery within 30 seconds after reconnection of the red cable.
8. Reassemble the cover and screws in this order, see Fig. 3.

Fig. 1, Power Monitor connected on the **red cables** of the Safety System

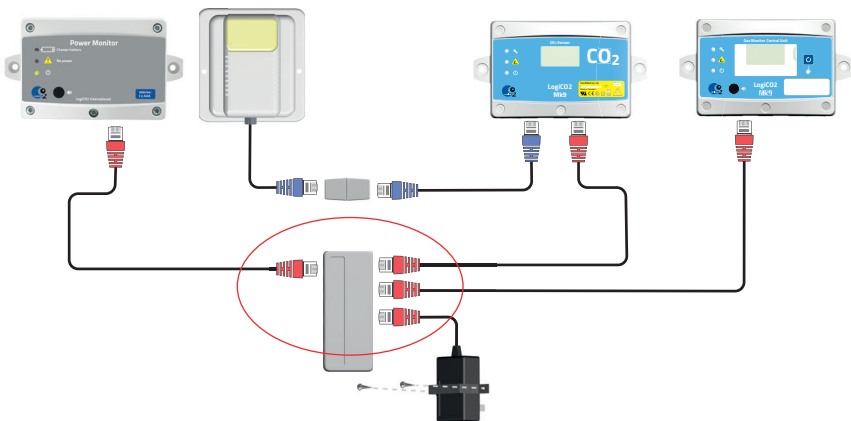
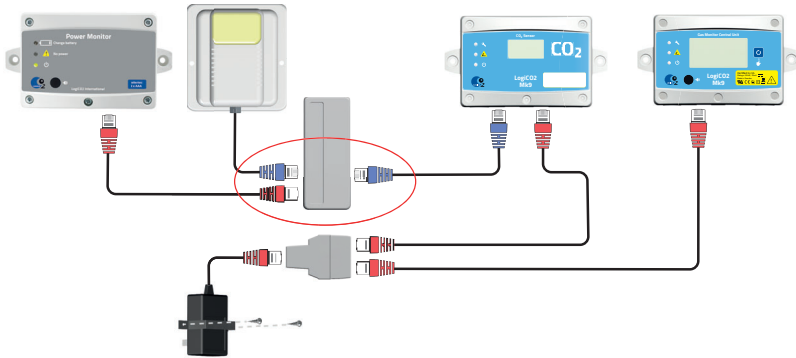


Fig. 2, Power Monitor connected on the **blue cables** of the Safety System

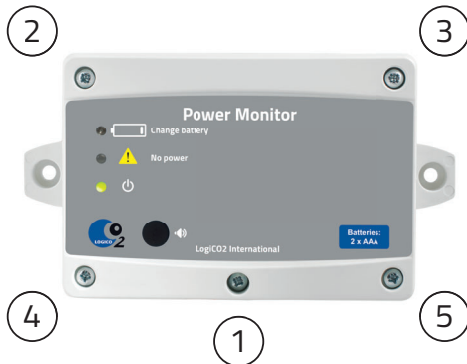


Replace batteries

How to replace poor batteries in order to avoid activating the buzzer during the exchange:

1. Remove the cover by unscrewing the five Phillips-screws.
2. Remove the AAA batteries.
3. Disconnect the red cable **installed in the Power Monitor**.
4. Install **one** new AAA battery.
5. Reconnect the red cable.
6. Install the other new AAA battery within 30 seconds after reconnection of the red cable.
7. Reassemble the cover and screws in this order, see Fig. 3.

Fig. 3, If the cover of the Power Monitor needs to be removed, please observe the following order of screw reassembling.





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