

User Manual

0478 Power Box



ENGLISH

Power Box 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

External power supply:	24V DC
Wiring connections:	RJ 45
Power wiring connections:	0,05-2,5mm ² / 30 - 14 AWG

Ingress protection:	IP55
Dimensions (LxWxD):	110 x 150 x 75mm / 4,33"x 5,90" x 2,95"

Function

Power box is a junction box for the LogiCO2 Safety Systems.

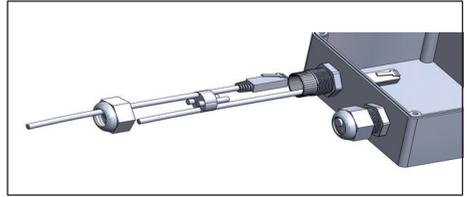
With the Power box, you can have one power supply for a large system. Both the power and communication are distributed via the Power box.

The Power box has two cable glands with multi inputs. One for up to four Cat5 cables and one for up to two power cables. These are also provided with plugs, in case of fewer cables. Two plugs for Cat5 and one for power cable.

The Cat5 cables that are used in the LogiCO2 Safety

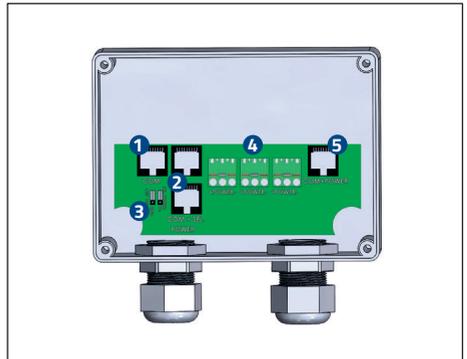
System are not intended for power over 1.5 Amp and this can easily be exceeded in a large system. The Power box enables to distribute power to the system via two separate "Power-Cables", up to 8mm outside diameter.

Fig 1.



On the printed circuit board, there are three parallel power terminals, four RJ45 connectors and two jumpers.

Fig.2

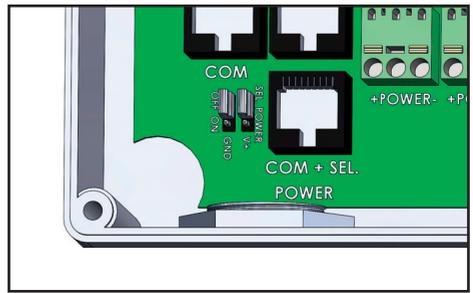


1. RJ45 - Only communication
2. RJ45 x 2 - Selectable only communication or both power and communication
3. Jumper - Setting of "2" above.
4. Power terminals
5. RJ45 - Always both power and communication
RJ45 Connectors

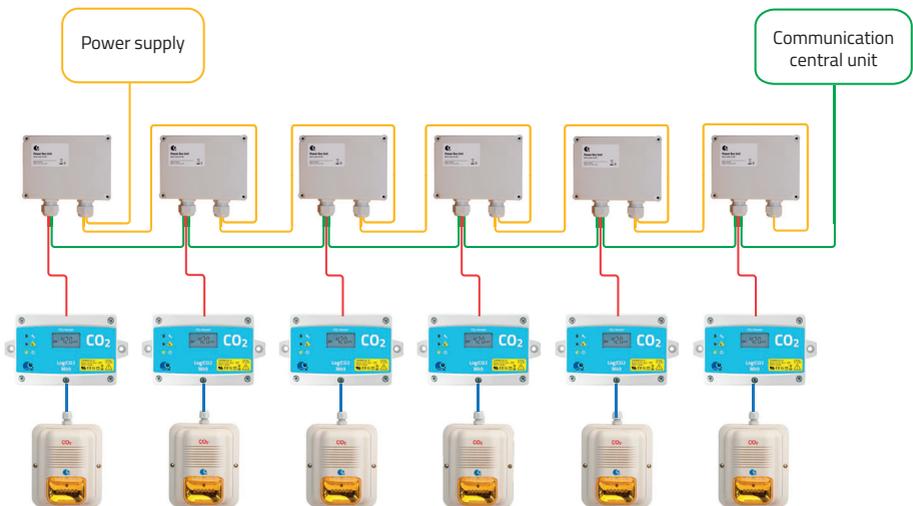
RJ45 Connectors

- One of the RJ45 connectors (marked COM) has only communication (from and to the Sensors)
- One has both power and communication (marked COM+POWER)
- Two have selectable functions, only communication or both power and communication (marked COM + SEL. POWER). Setting is done with the jumpers. Example setting: only communication, default setting. See fig. 3.

Fig. 3



System example



***Green cable:** Only Communication

***Red cable:** Power and Communication

***Yellow cable:** Power and communication



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