

1 Safety

The present installation instructions support safe installation of the device for use according to the intended application:

The unit is used for permanent attachment of the PowAirBox combination line to the ceiling above a vehicle equipped with a PowAirBox. The PowAirBox is a plug-in system for feeding current and compressed air (type A only) into emergency vehicles.

Observe the safety instructions:

DANGER! Electric shock due to short circuit: Before operating, make sure there are no open or damaged cables. Replace defective parts or damaged cables immediately.

WARNING! Risk of burns due to cable fire: Only use the device within the specified voltage limits. (250 V/16 A)

NOTE! Reverse polarity can damage the unit: Before operating, make sure that all cables are connected correctly.

2 Package contents

Component	No.
Mounting bracket with PE protective conductor, cable bushings and strain relief (pre-assembled).	1 x
Cover	1 x
3-wire connection terminal	1 x
2-wire connection terminal	2 x
Compressed air coupling	1 x

3 Installation



Fig. 1: Ceiling bracket individual parts

1	Mounting clamp	2	Housing
3	Assembled mounting bracket with cover and installed PowAirBox combination line		

To install the ceiling bracket proceed as follows:

- ✓ An assembly location above the used PowAirBox with a lateral distance of approx. 30 cm to the vehicle is provided.
- 1. Remove the two screws next to the circular cut-out of the housing (2) to separate it from the mounting bracket (1).
- 2. Fasten the mounting bracket (1) to the ceiling of the depot so that it is secure against tensile loads.
- 3. Guide the open end of the PowAirBox combination line from the outside through the circular cut-out of the housing (2).
- 4. Loosen the two lateral screws of the strain relief on the mounting bracket (1) and guide the open end of the PowAirBox combination line through.
- 5. Guide the PowAirBox combination line through the mounting bracket (1) up to the required cable length.

NOTE! To ensure smooth operation, ensure that the coupling does not touch the depot floor when unplugged. LEAB recommends a distance of 70 cm from the depot floor.
- 6. Tighten the two side screws of the strain relief evenly until the PowAirBox combination line is secured so that it cannot slip through.
- 7. Connect the cables of the PowAirBox combination line to the power distribution of the vehicle depot (see Pin Assignment).

NOTE! Use the cable grommets on the side of the mounting bracket (1) to feed the power distribution in and out.
- 8. Connect the compressed air line of the PowAirBox combination line to the compressed air distribution of the vehicle depot.
- 9. Slide the housing (2) over the mounting bracket (1) and fasten them with the two screws.

⇒ The ceiling bracket is installed (3).

4 Pin assignment

Depending on the type of PowAirBox, the wires of the combination line are marked as follows:

Wire	Type A (with compressed air)	Type B (without compressed air)
L1 230 V (+12/+24 V)	Digit "1"	Brown
N 230 V (ground 12/24 V)	Digit "2"	Blue
PE	Yellow/green	Yellow/green