


Fig. 1

- ❶ Panel Adaptor with front membrane
- ❷ Gasket
- ❸ Clamp
- ❹ Screw M5x20 ISO 7045 Z
- ❺ Thumb screw M4x16

Panel Adaptor Small

Description

The Panel Adaptor Small is designed for use with small form factor SPECTOR^{modul} controllers without rotary button (e.g. NRS 1-52, 1-53, 1-54, 1-55, 1-56) and enables controller installation in a control cabinet door. It offers the advantage of status visibility and alarm testing without opening the cabinets door. The installed adaptor fulfills the protection class IP65.

Technical data

Materials

- Panel Adaptor: Polycarbonate
- Front membrane: Polyester film
- Gasket: Cellular rubber
- Clamp: Galvanized steel
- Screw: Galvanized steel
- Thumb screw: Polyamid 6.6

Protection

- IP65 when mounted as shown in the installation section

Weight

- approx. 0.066 kg (including screws, clamps and gasket)

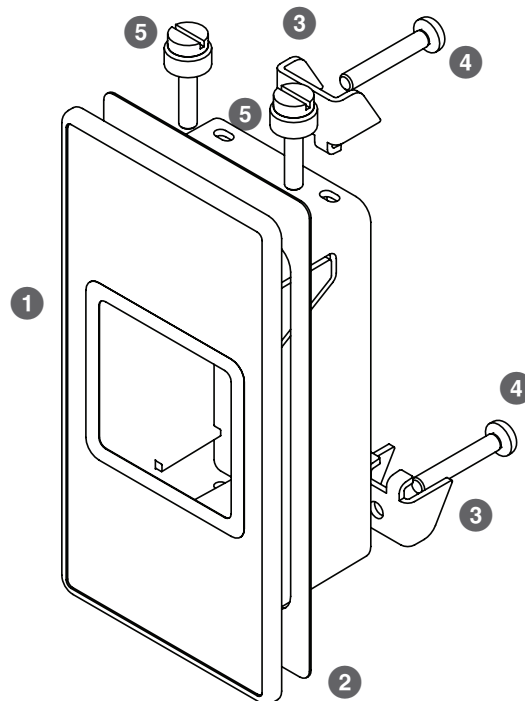
Admissible ambient conditions

- Ambient temperature: 0 to 55°C
- Transport temperature: - 20 to + 80°C
- Storage temperature: - 20 to + 70°C
- Relative humidity: max. 95%,
no moisture condensation

Admissible installation positions

- For indoor use only

Parts


Fig. 2

Panel Cut Out

[illegible]

Fig. 4



The recommended minimum spacing between panel cut outs is 19 mm.



When installed in tight enclosures without pressure compensation use a "pressure compensation element" to equalize pressure differences caused by temperature changes. Without pressure compensation moisture can be sucked in and the IP protection can not be guaranteed.

Fig. 5

Technical drawing of a door assembly showing dimensions and components. The drawing includes a side view of the door with dimensions: 96 (total height), 13 (top panel height), 70 (middle panel height), 13 (bottom panel height), 11.5 (top panel thickness), 11.5 (bottom panel thickness), 118 (total width), 35 (width of the bottom panel), 1.5....5 (width of the bottom panel), and ~4 (including gasket). The drawing also shows a top view of the door with dimensions: 50.5 (total width), 45.5 (width of the middle panel), 24.5 (width of the bottom panel), and 19.2 (width of the bottom panel). The drawing includes a detail of the door handle and lock mechanism.

Fig. 5

Installation

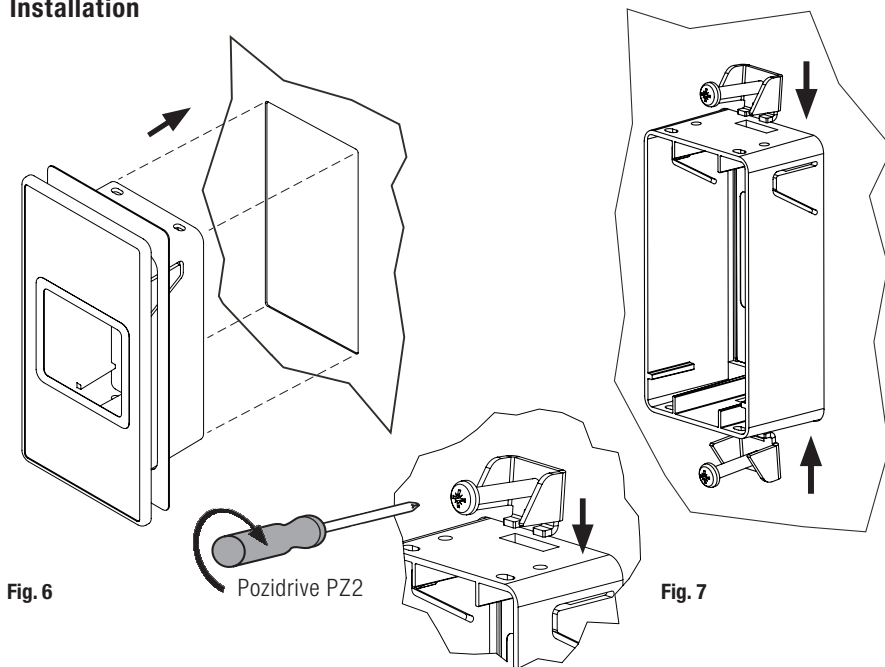


Fig. 6

Fig. 7

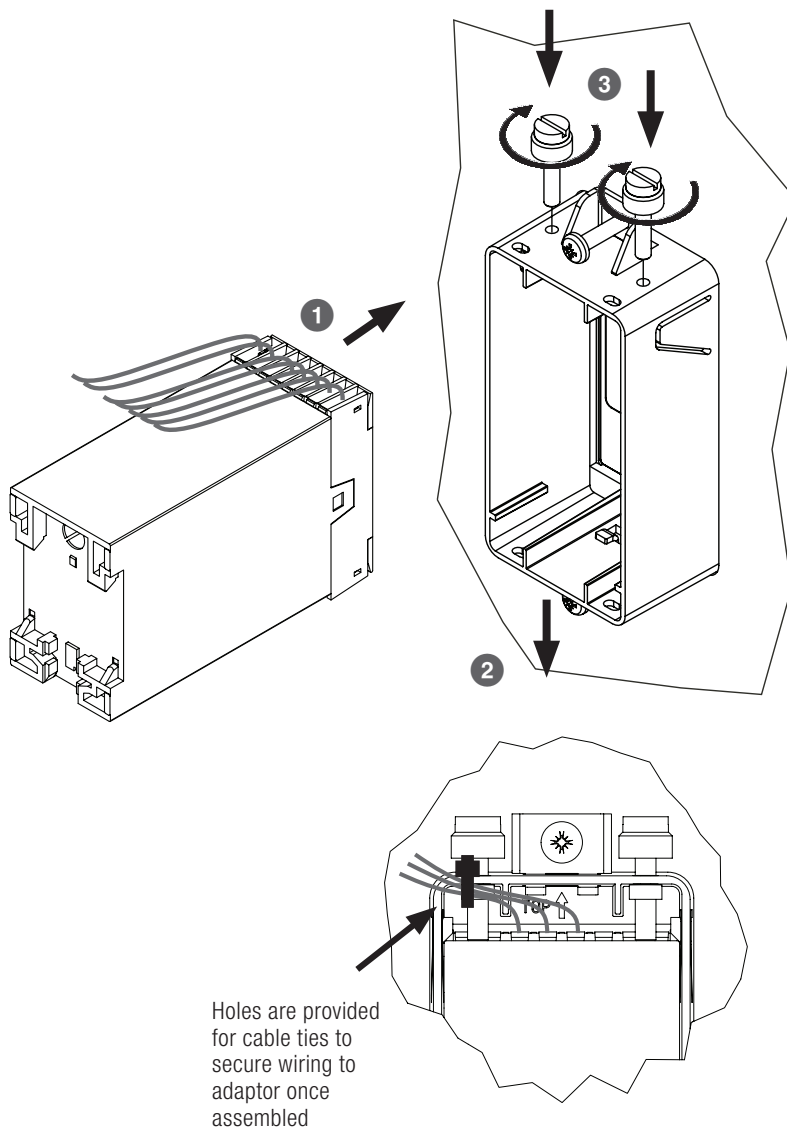


Fig. 8

Holes are provided for cable ties to secure wiring to adaptor once assembled



Note

The safety section of the controllers installation manual must be read before the installation of the panel adaptor is attempted.



Note

Torque for clamp screws: 0.3 - 0.4 Nm
Do not over tighten causing excessive bending of the adaptor.



Note

If vibration is expected during transportation or operation of the assembled unit, use a locking medium for the clamp screws (e.g. Loctite low-strength).



Note

Ensure that the wires are not trapped or damaged when the thumb screws are tightened and do not over tighten causing excessive bending of the screws, controller housing or adaptor.



Note

The controller must be wired before it is inserted into the adaptor.

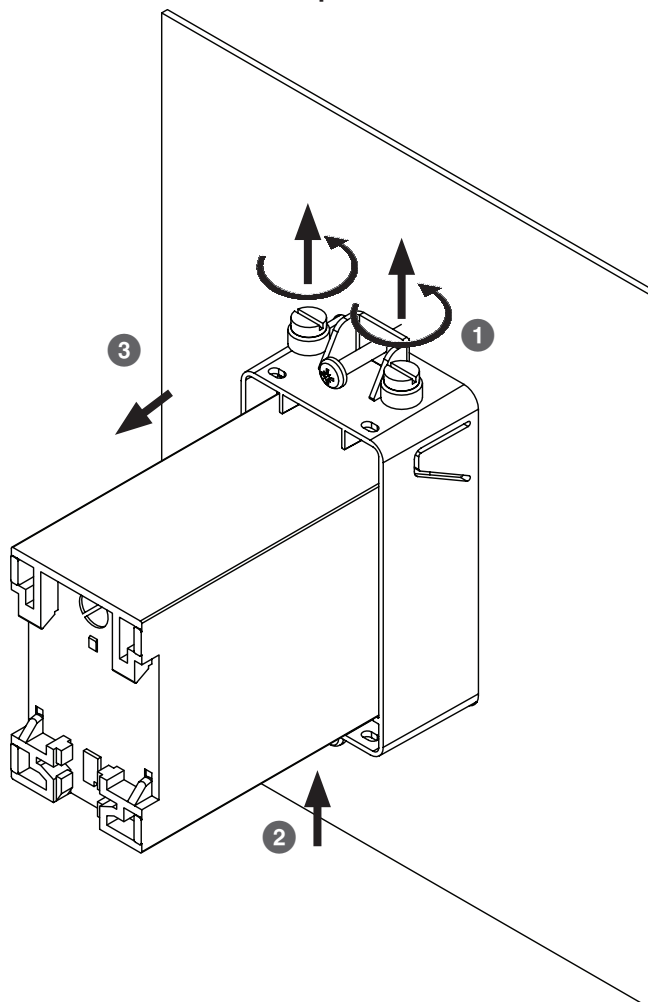


Fig. 9

Maintenance

The equipment must be inspected and cleaned regularly to prevent the build-up of dust on the product. The adaptor should only be wiped with a damp cloth using non aggressive cleaning agents. The front membrane and gasket should be regularly inspected for damage.

Supply in accordance with our general terms of business.

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