basIP

USER MANUAL

AV-04SDI



INDIVIDUAL ENTRANCE PANEL



Main features

- **Panel type:** Individual.
- **Induction Loop Output:** Yes.
- **Camera:** 1/4”.
- **Resolution:** 2 Mpx.
- **Camera angle:** 100° (horizontal).
- **Output video:** HD (1280 × 720), H.264 Main Profile.
- **Night backlight:** 6 LEDs.
- **Light sensitivity:** 0,01 LuX.
- **Call button:** Mechanical.
- **Protection class:** IP65.
- **IK-Code:** IK07.
- **Working temperature:** -40 — +65 °C.
- **Power consumption:** 6,5 W, in standby — 3,6 W.
- **Power supply:** IEEE 803.2af PoE, +12 V DC.
- **Body:** Aluminum.
- **Colors:** Silver, Black.
- **Dimensions for installation:** 84.5 × 170.
- **Panel size:** 80 × 165 × 27 mm.
- **Panel size (installed):** 84.5 × 170 × 33 mm.
- **Installation:** Surface mounting.

The specifications and appearance of the device may differ from those stated or may change without prior notice.

INDIVIDUAL ENTRANCE PANEL

AV-04SDI

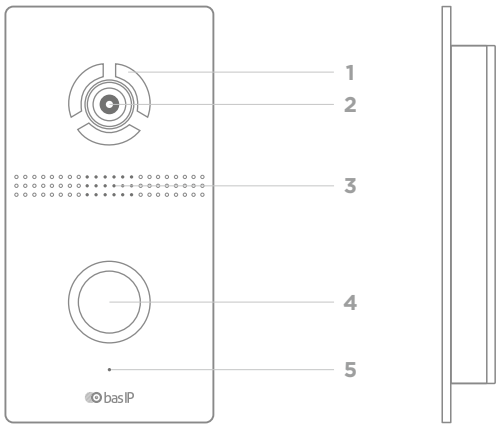
Full User Manual
wiki.bas-ip.com

Device description

The AV-04SDI is a stylish, vandal-proof entrance panel with an upgraded design. It features an additional output for connecting an external induction loop and is designed for surface mounting.

The panel delivers excellent video quality and sound transmission to indoor monitors, making it ideal for a variety of settings, including apartments, offices, factories, and gas stations.

Appearance



1 - Backlight.
2 - Camera.
3 - Loudspeaker.
4 - Mechanical call button.
5 - Microphone.

EAN: 5060514916155 (SILVER) EAN: 5060514916148 (BLACK)

Completness check of the product

Before installation of the outdoor panel, it is necessary to check that it is complete and all components are available.

Outdoor panel kit includes:

Outdoor panel	1 pc
Surface mounting bracket	1 pc
Manual	1 pc
Set of wires with connectors for connection of power supply, lock, and additional modules	1 pc
Set of installation screws and wrench	1 pc
Back cover	1 pc
Resin cap	1 pc

Electrical connection

After verifying the device's completeness, you can switch to the outdoor panel connection.

For connection you will need:

- An Ethernet UTP CAT5 or higher cable connected to a network switch / router.

Cable length recommendations
The maximum length of the UTP CAT5 cable segment should not exceed 100 meters, according to the IEEE 802.3 standard.

- Power supply at +12 V, 2 amps, if there is no PoE.

You can connect any type of electromechanical or electromagnetic lock for which the switched current does not exceed 1 Amp.

Diagram 1. Electromechanical lock connection using external power supply for panel and the lock.

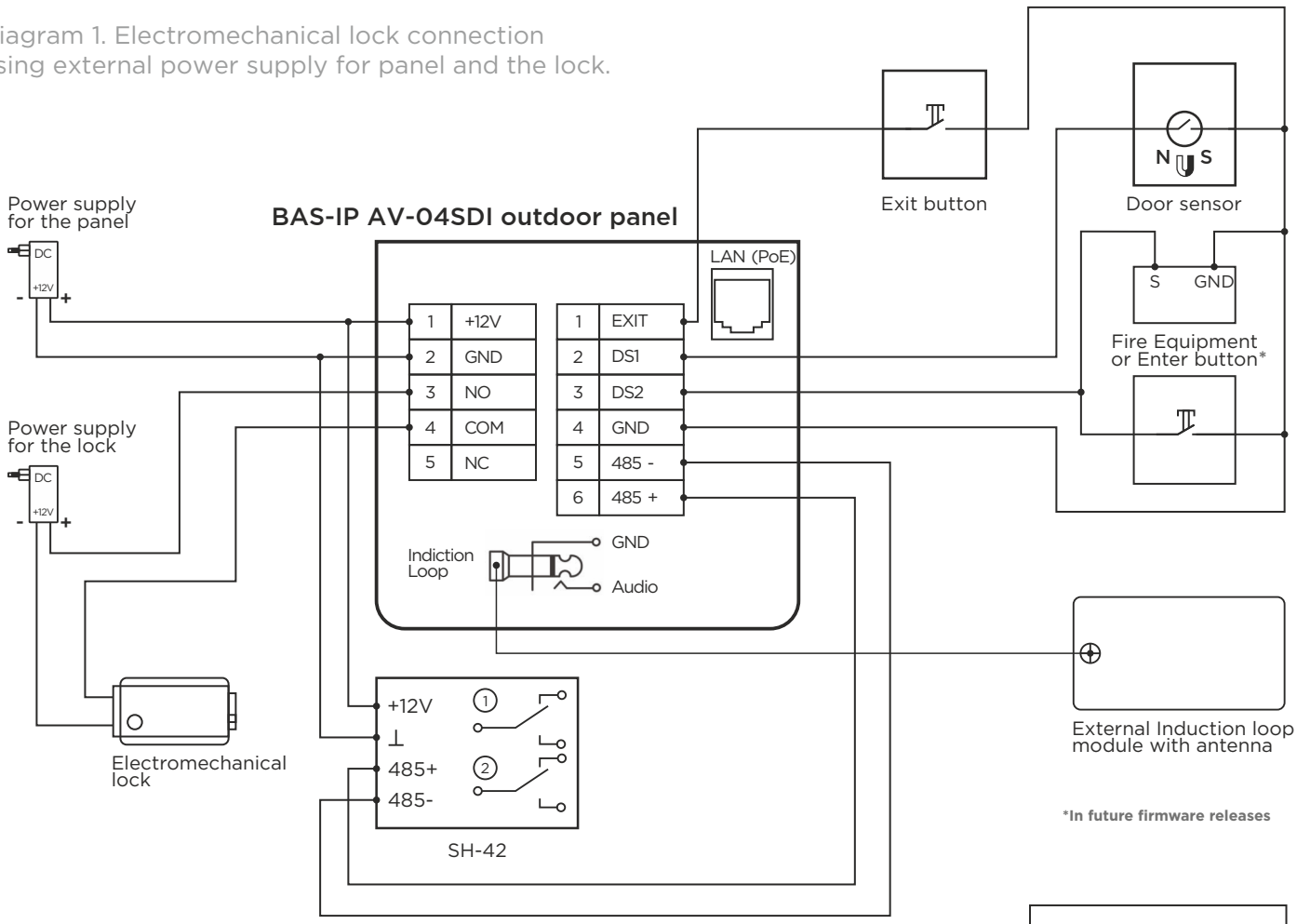
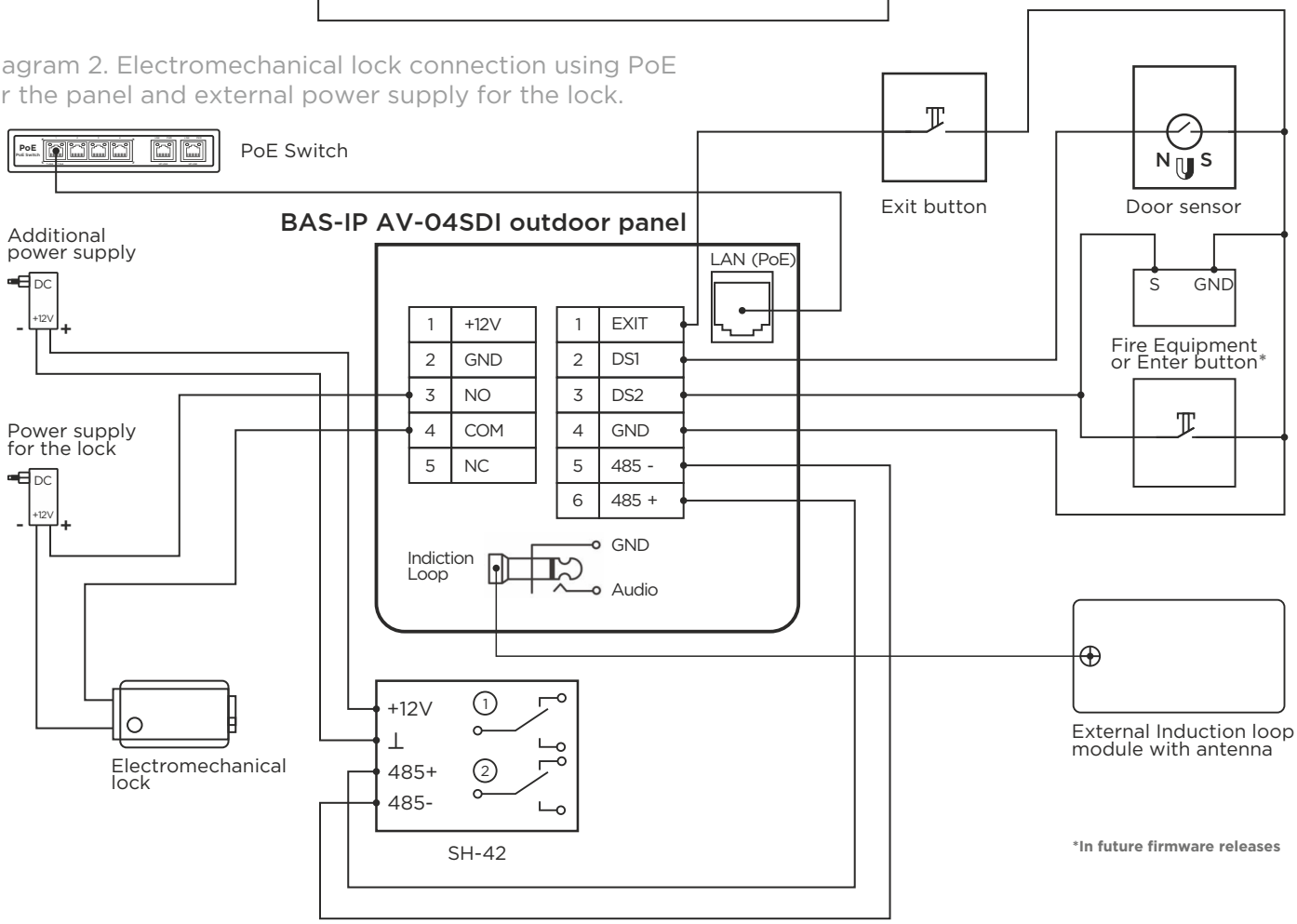


Diagram 2. Electromechanical lock connection using PoE for the panel and external power supply for the lock.



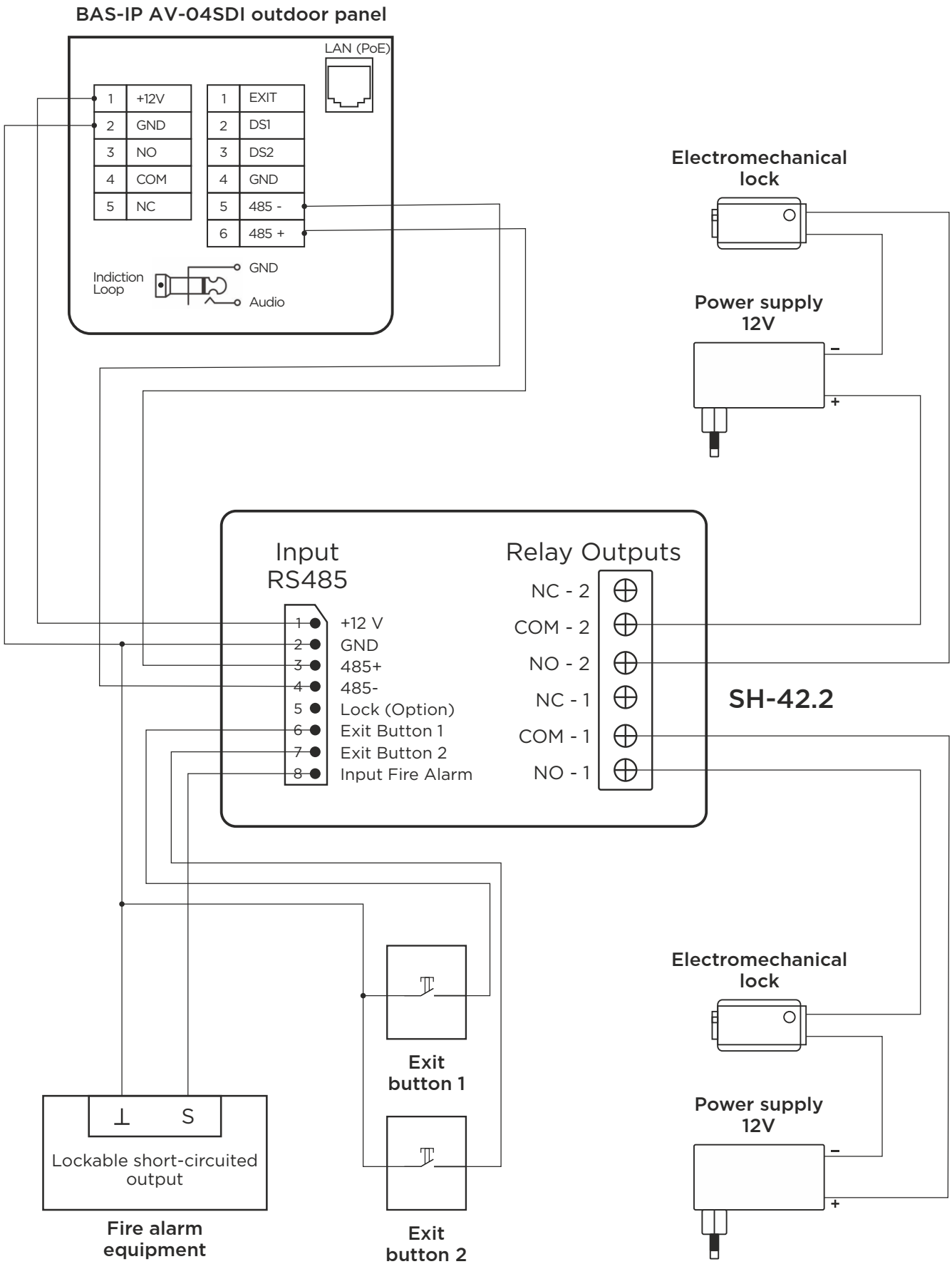


Diagram 3. Wiring diagram for SH-42.2 with two electromechanical locks, each powered by its own separate power supply.

Electromagnetic lock connection
If AV-04FDI outdoor panel uses third party power supply and doesn't have UPS-BAS-IP then avoid using AV-04FDI internal relay for direct electromagnetic lock connection. In this case electromagnetic lock must be connected through the SH-42.2 - SH-42.8.

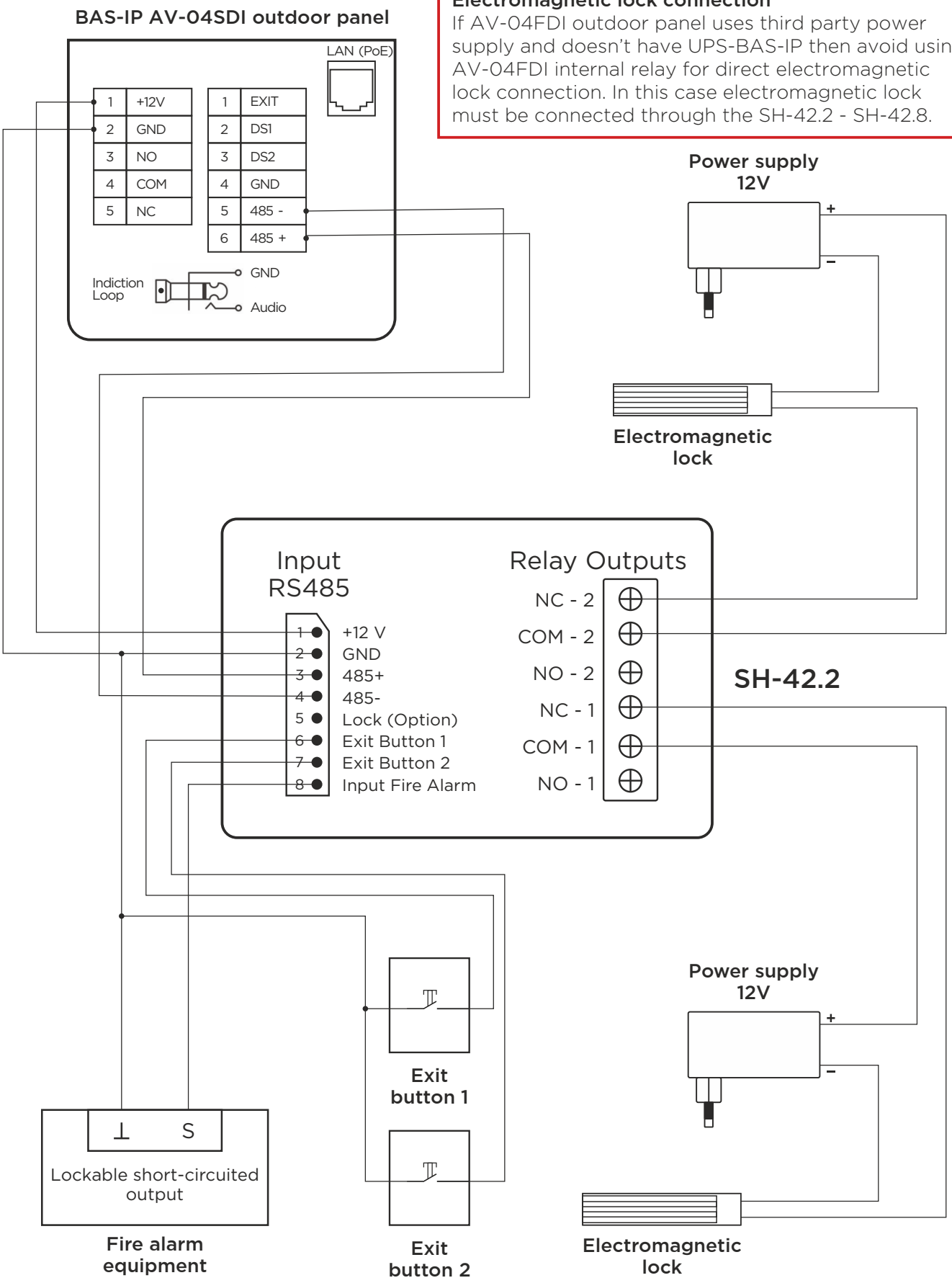


Diagram 4. Wiring diagram for SH-42.2 with two electromagnetic locks, each powered by its own separate power supply.

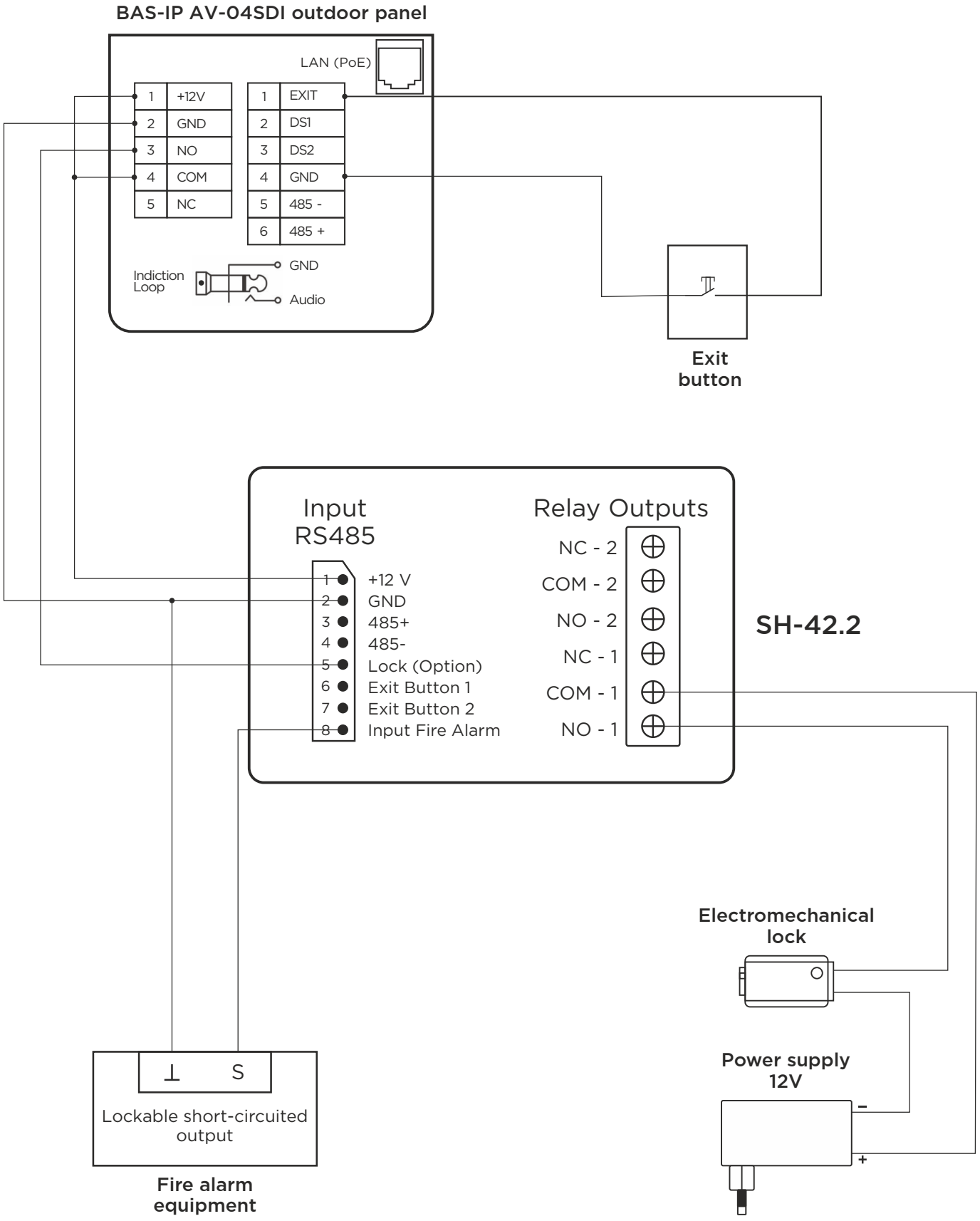


Diagram 5. Wiring diagram for SH-42.2 using the «Lock» input and an electromechanical lock powered by its own separate power supply.

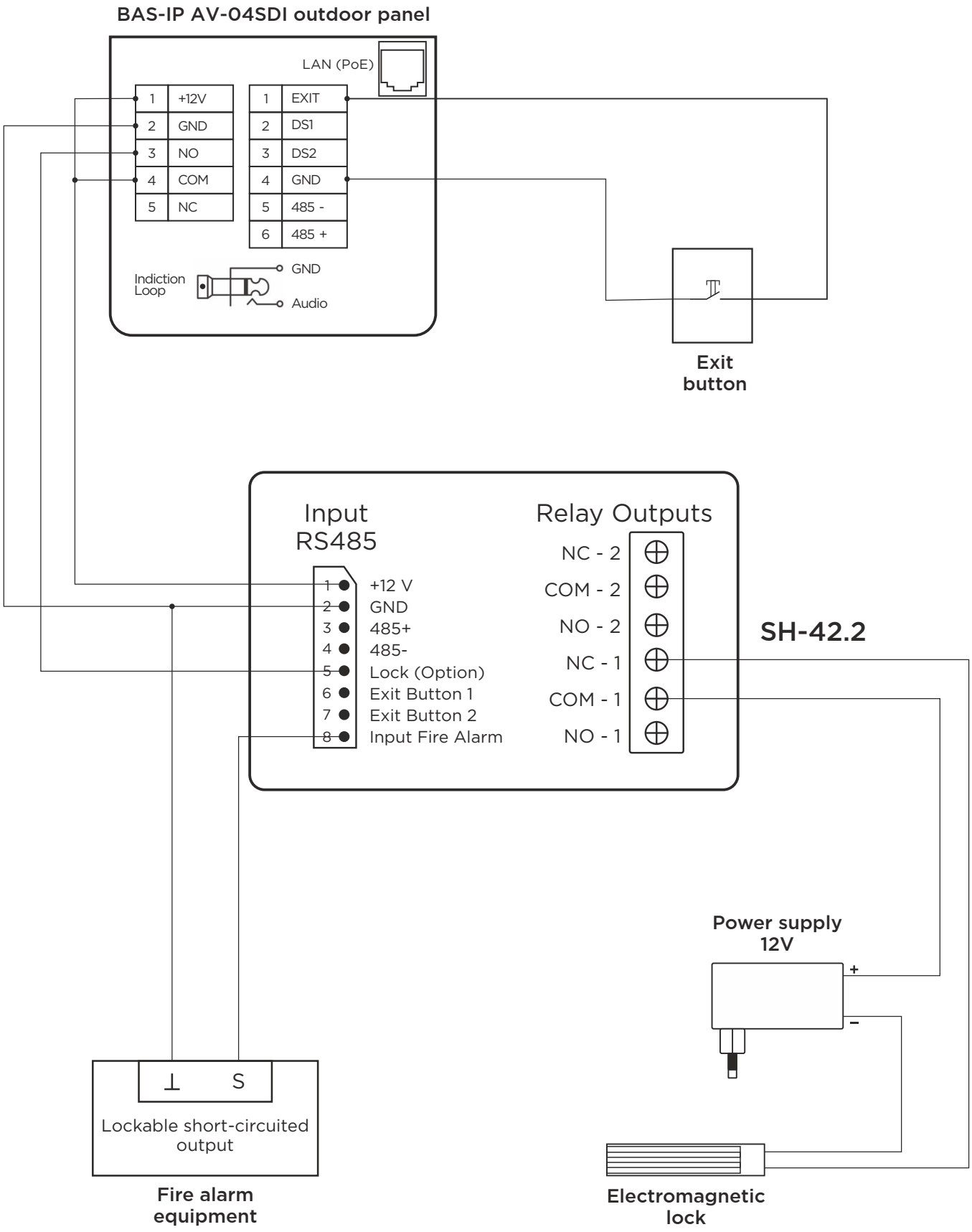
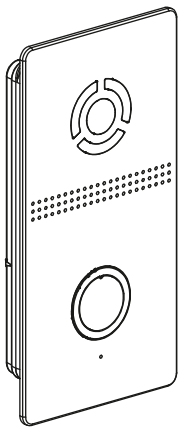


Diagram 6. Wiring diagram for SH-42.2 using the «Lock» input and an electromagnetic lock powered by its own separate power supply.

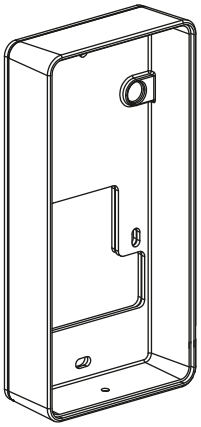
Surface installation process

1 Check the availability of all the components required for the installation, connection and fastening.



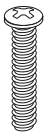
AV-04SDI outdoor panel

x1



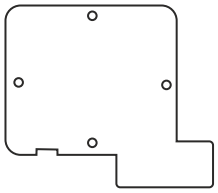
surface mounting bracket

x1



bracket fastening screws

x4



back cover

x1



resin cap

x1

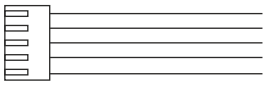




x5

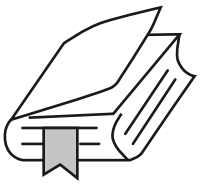
x2

back cover and panel fastening screws



x1

set of wires with connectors

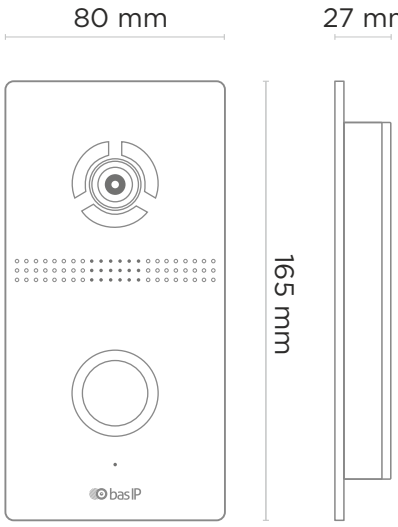


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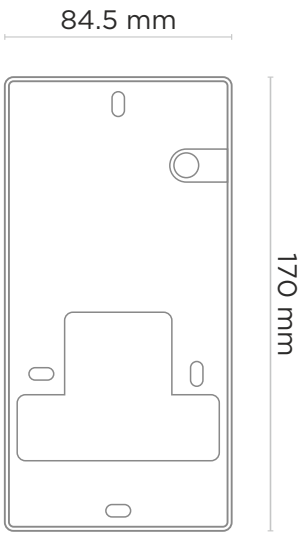
x1

2 Verify all the diamensions of the flush mounting bracket and the outdoor panel to suit intentional place of installation. Also it is necessary to provide power supply cable, cable from additional modules and local network cable to the place of panel installation.

Outdoor Panel

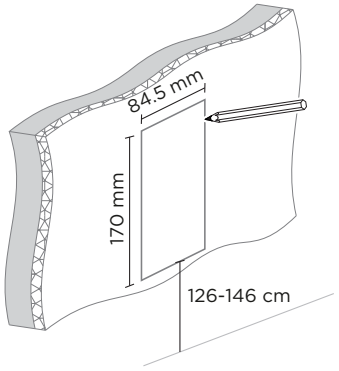


Surface Bracket

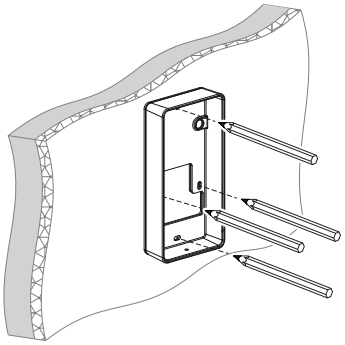


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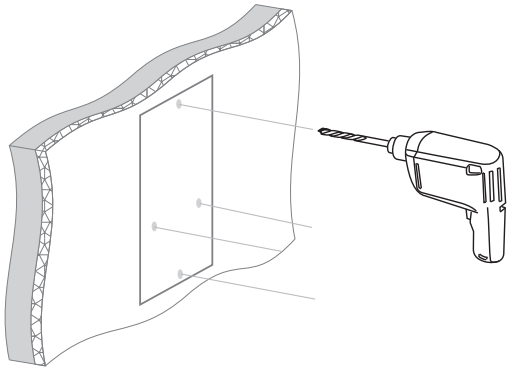
3 Draw a rectangle on the wall with specified dimensions.



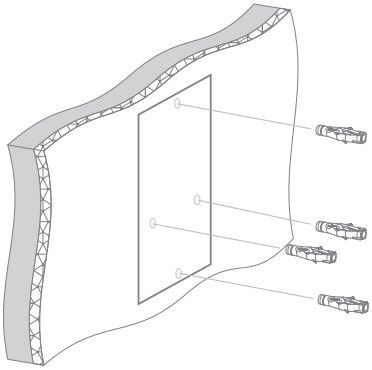
4 Place the surface mounting bracket against the rectangle. Mark the holes for the anchors.



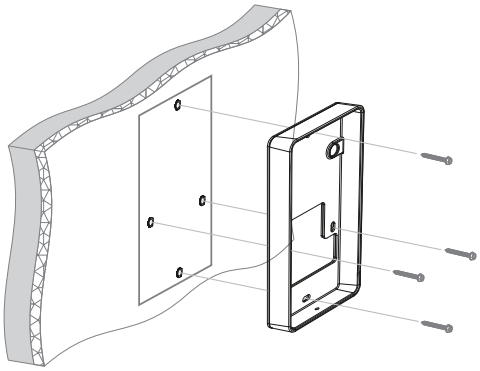
5 Drill four holes for the anchors.



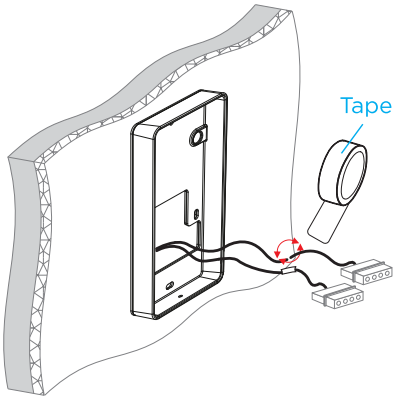
6 Install four anchors into the drilled holes.



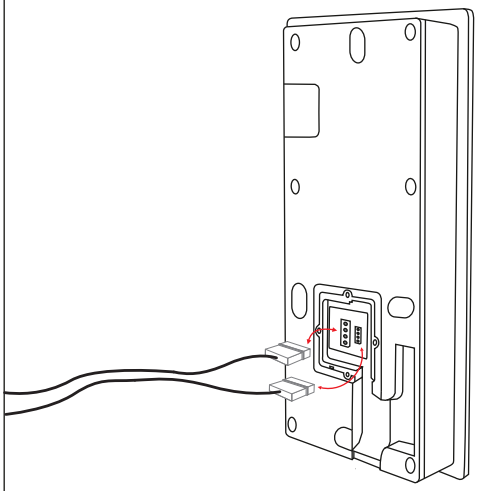
7 Fix surface mounting bracket on the wall using four screws.



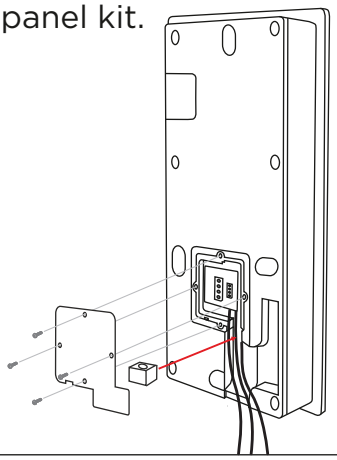
8 Connect all the necessary cables from the wall to the connectors from the panel kit and isolate them using tape.



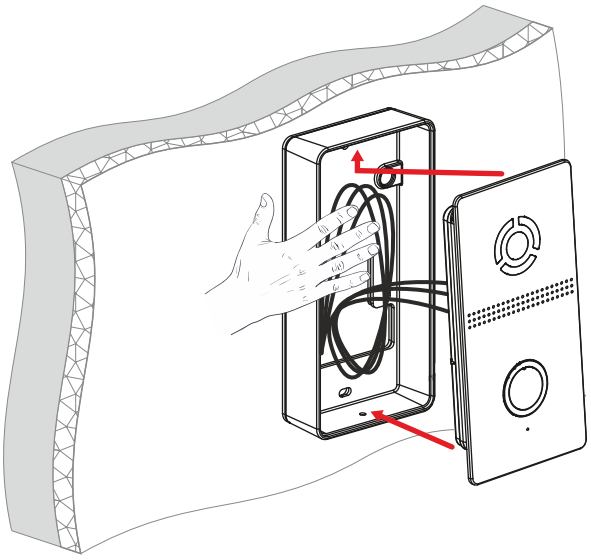
9 Join all the connectors to the outdoor panel.

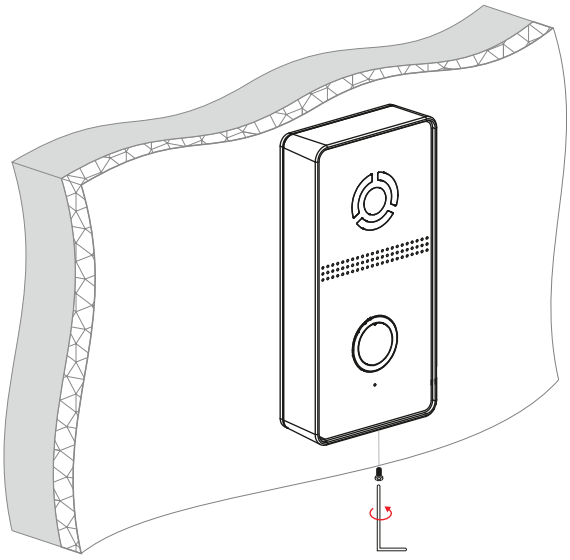


10 Install resin cap for wires and water protection cover on the back of the outdoor panel and fix it using four screws from the panel kit.



11 Install the outdoor panel into the surface mounting box while carefully laying all the wires inside it. Use the loop pattern to lay all the excessive wires into the box. Avoid squeezing the wires between the panel back and plastic parts of the surface box. Fix the outdoor panel using the screw and the wrench from the kit.





Warranty

The warranty card number _____
Model name _____
Serial number _____
Seller name _____

With following stated terms of warranty is familiar, functional test was performed in my presence:

Customer signature _____

Warranty conditions

The warranty period of the product — 36 (thirty six) months from the date of sale.

- Transportation of product must be in its original packaging or supplied one by the seller.
- The product is accepted in warranty repair only with a properly filled warranty card and the presence of intact stickers or labels.
- The product is accepted for examination in accordance with the cases provided by law, only in the original packaging, in a full complete set, appearance corresponding to the new equipment and presence of all relevant properly filled documents.
- This warranty is in addition to the constitutional and other consumer rights and in no way restrict them.

Terms of warranty

- The warranty card must indicate the name of the model, serial number, purchase date, name of the seller, seller company stamp and the customer's signature.
- Delivery to the warranty repair is carried out by the buyer himself.
- Warranty repairs carried out only during the warranty period specified in the warranty card.
- The service center is committed to do everything possible to carry out the repair warranty products, up to 24 working days. The period spent on the restoration of product functionality is added to the warranty period.

Notes

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