basIP

USER MANUAL

AV-08FBL



INDIVIDUAL ENTRANCE PANEL



Main features

- **Panel type:** Individual.
- **Camera:** 1/3”.
- **Resolution:** 2 Mpx.
- **Camera angle:** 120° (horizontal).
- **Output video:** Full HD (1920 × 1080), H.264 Main Profile.
- **Button:** Piezoelectric..
- **Call button backlight control:** White and Green.
- **Night backlight:** 6 LEDs.
- **Light sensitivity:** 0,01 LuX.
- **Protection class:** IP65.
- **IK-Code:** IK07.
- **Working temperature:** -40 — +65 °C.
- **Power consumption:** 6,5 W, in standby — 3,8 W.
- **Power supply:** IEEE 803.2af PoE, +12 V DC.
- **Body:** Aluminum.
- **Colors:** Black, Silver, Gold.
- **Size of the panel:** 130 × 212 × 47 mm.
- **Dimensions of flush mounting bracket:** 114 x 196 x 59 mm
- **Installation:** Flush mounting,
Surface mounting with BR-AV8FBL bracket.

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

INDIVIDUAL ENTRANCE PANEL

AV-08FBL

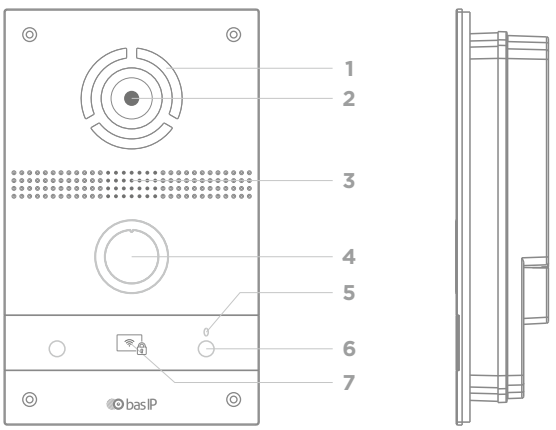
Full User Manual
wiki.bas-ip.com

Device description

The BAS-IP AV-08FBL is a stylish and unique individual entrance panel that incorporates facial recognition technology.

This panel features a piezoelectric call button, a high-resolution 2-megapixel camera, and has a built-in multiplying energy booster for opening the electromechanical lock.

Appearance



1 - Backlight.
2 - Camera.
3 - Loudspeaker.
4 - Piezoelectric button.
5 - Microphone.
6 - Proximity sensor.
7 - Card reader.

EAN: 5060514914649 (BLACK) EAN: 5060514914663 (SILVER)
EAN: 5060514914656 (GOLD)

Completeness 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
Flush mount bracket	1 pc
Manual	1 pc
Set of wires with connectors for connection of power supply, lock, and additional modules	1 pc
Set of screws with a wrench	1 pc
Magnet for tamper	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 PoE network switch or regular 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.

Electromagnetic lock connection
If AV-08FBL outdoor panel uses third party power supply and doesn't have UPS-BAS-IP then avoid using AV-08FBL internal relay for direct electromagnetic lock connection. In this case electromagnetic lock must be connected through the SH-42.2 - SH-42.8.

Diagram 1. Electromechanical lock connection scheme using third party power supply.

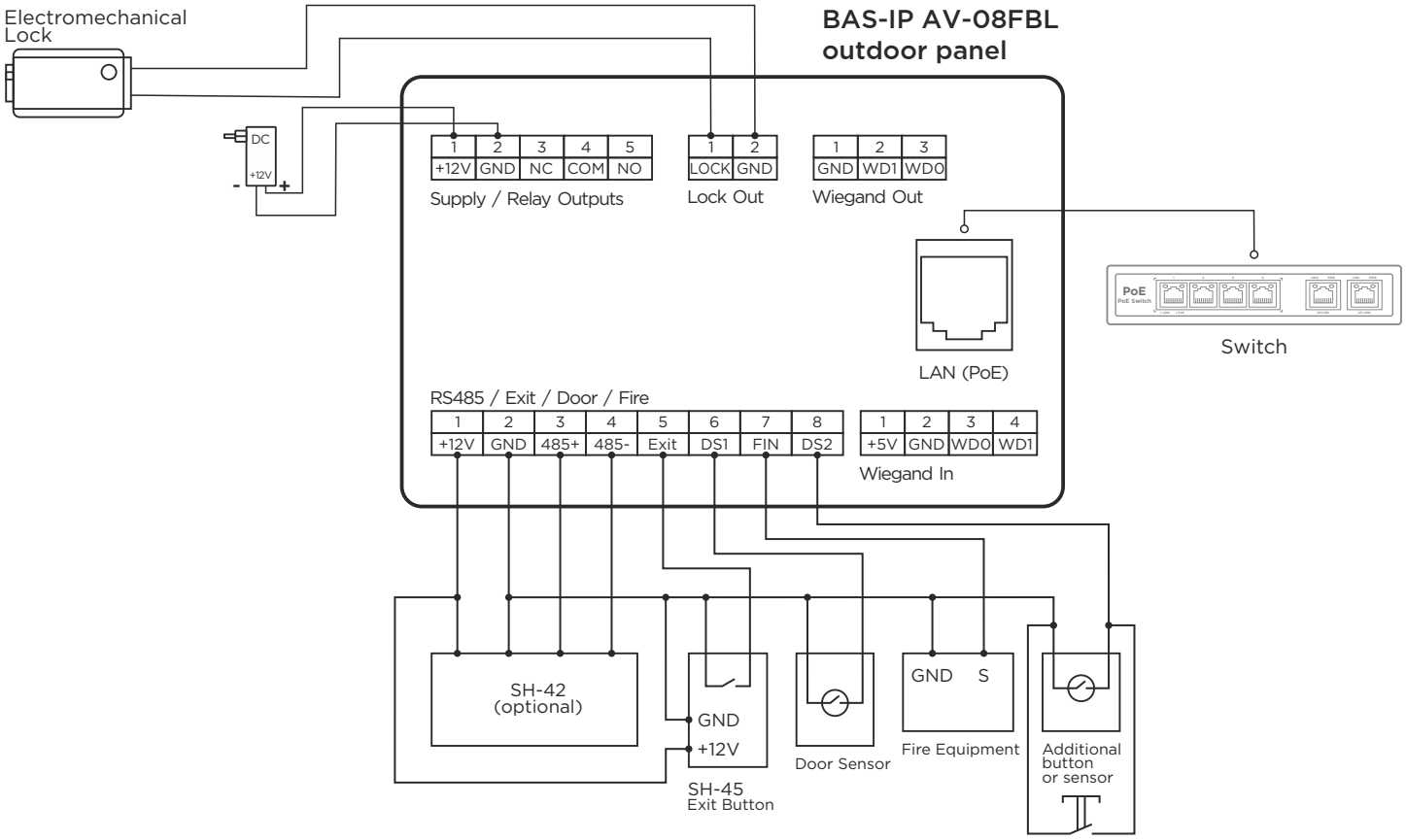
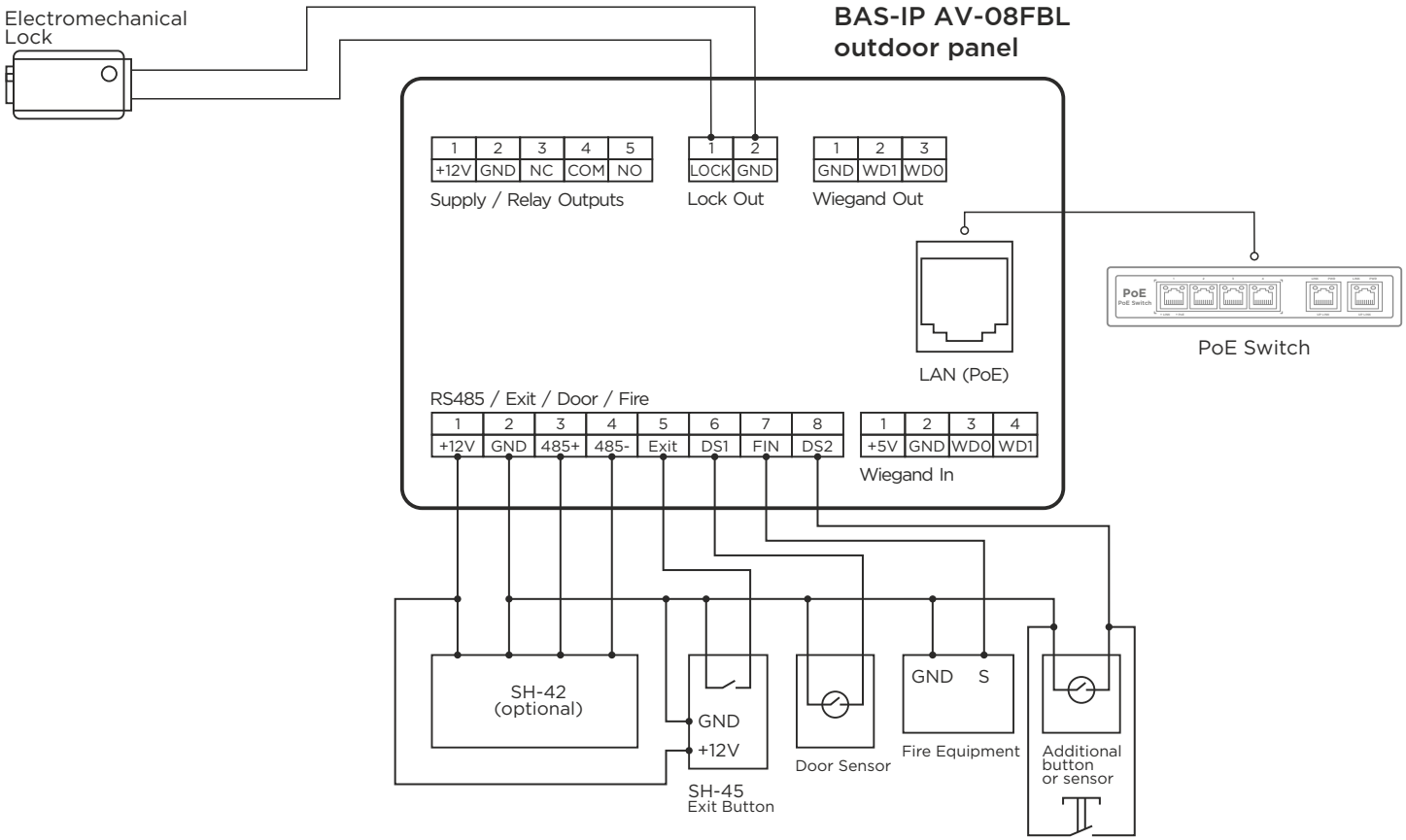


Diagram 2. Electromechanical lock connection scheme using PoE switch.



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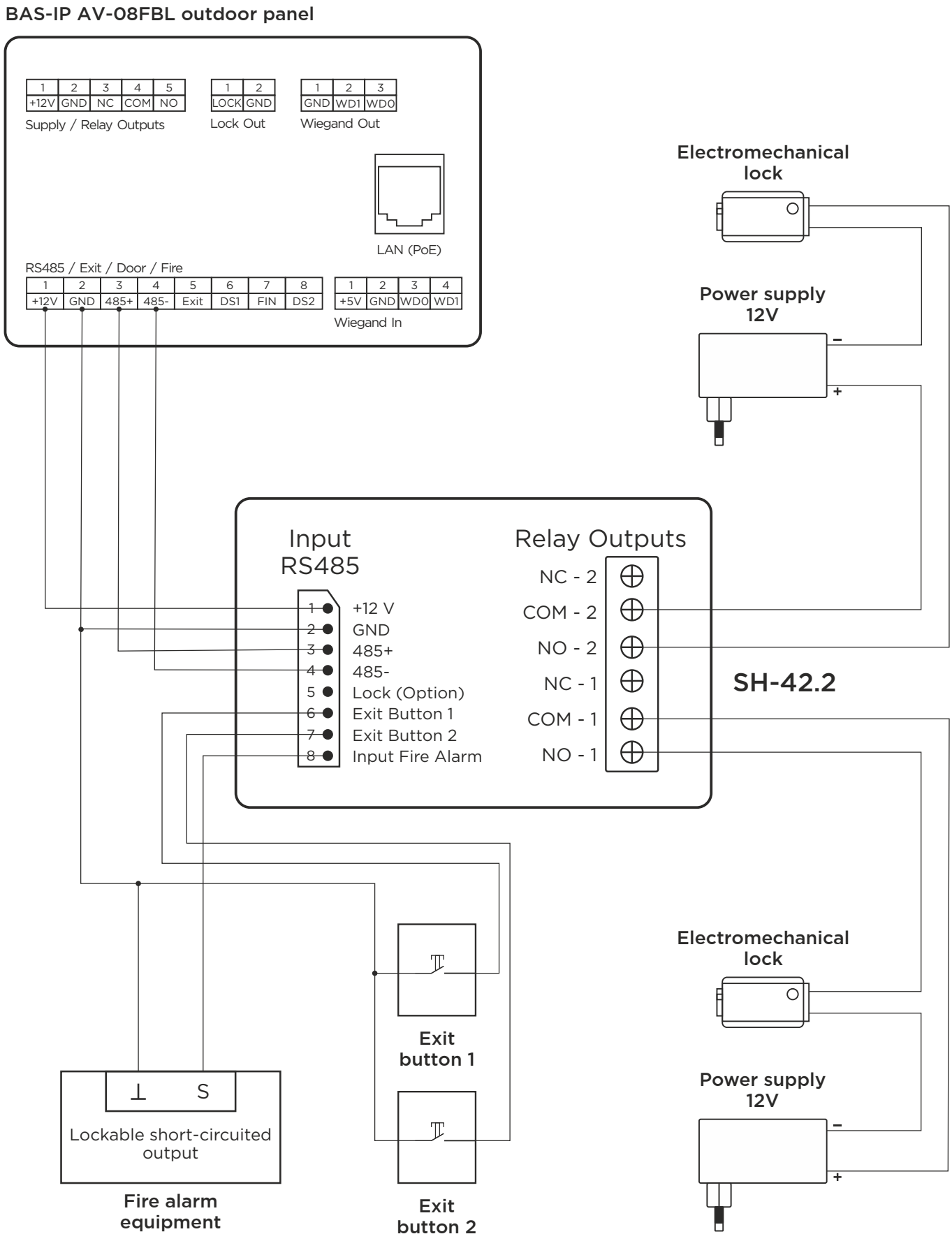


Diagram 3. Wiring diagram for SH-42.2 with two electromechanical locks, each powered by its own separate power supply.

BAS-IP AV-08FBL outdoor panel

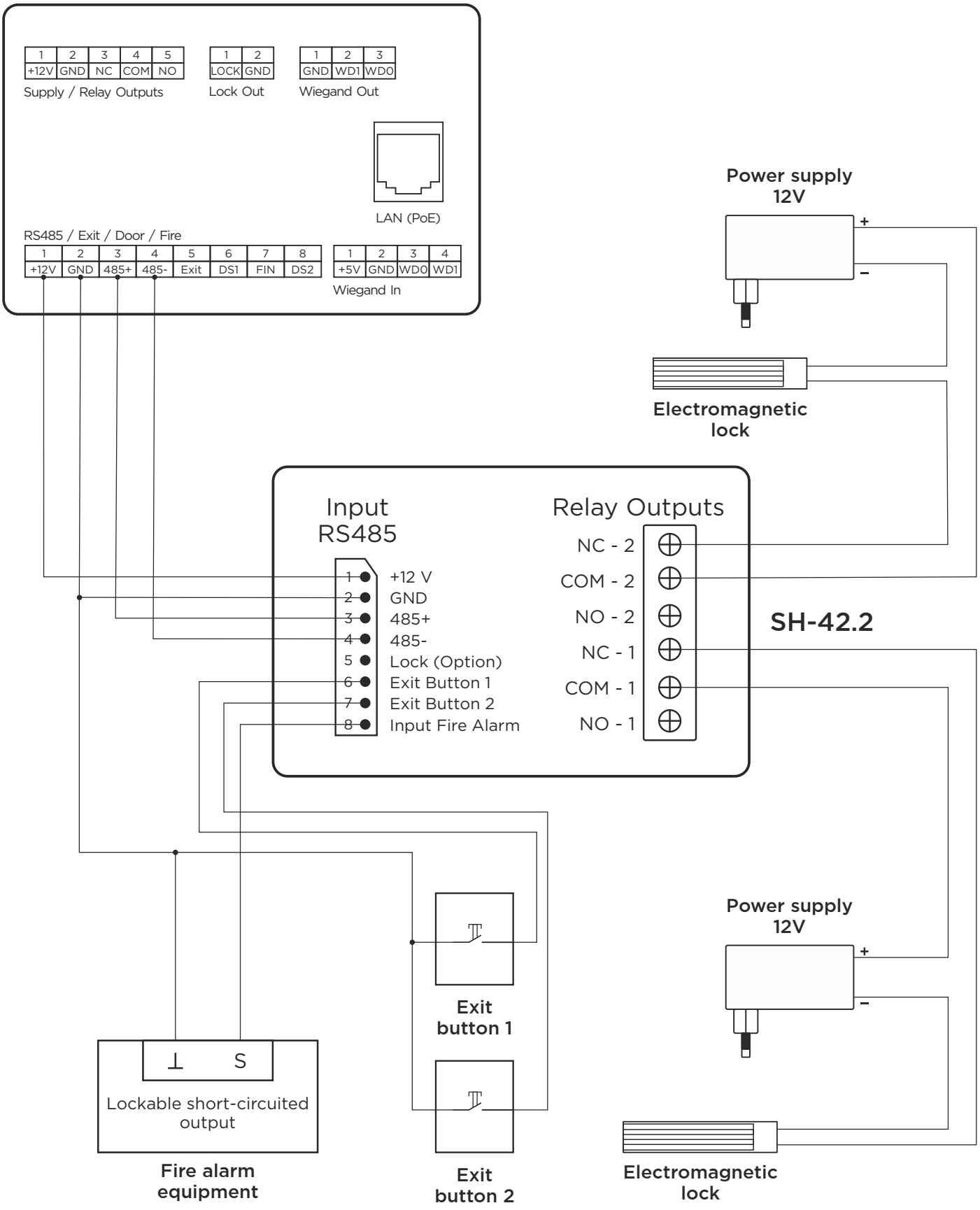


Diagram 4. Wiring diagram for SH-42.2 with two electromagnetic locks, each powered by its own separate power supply.

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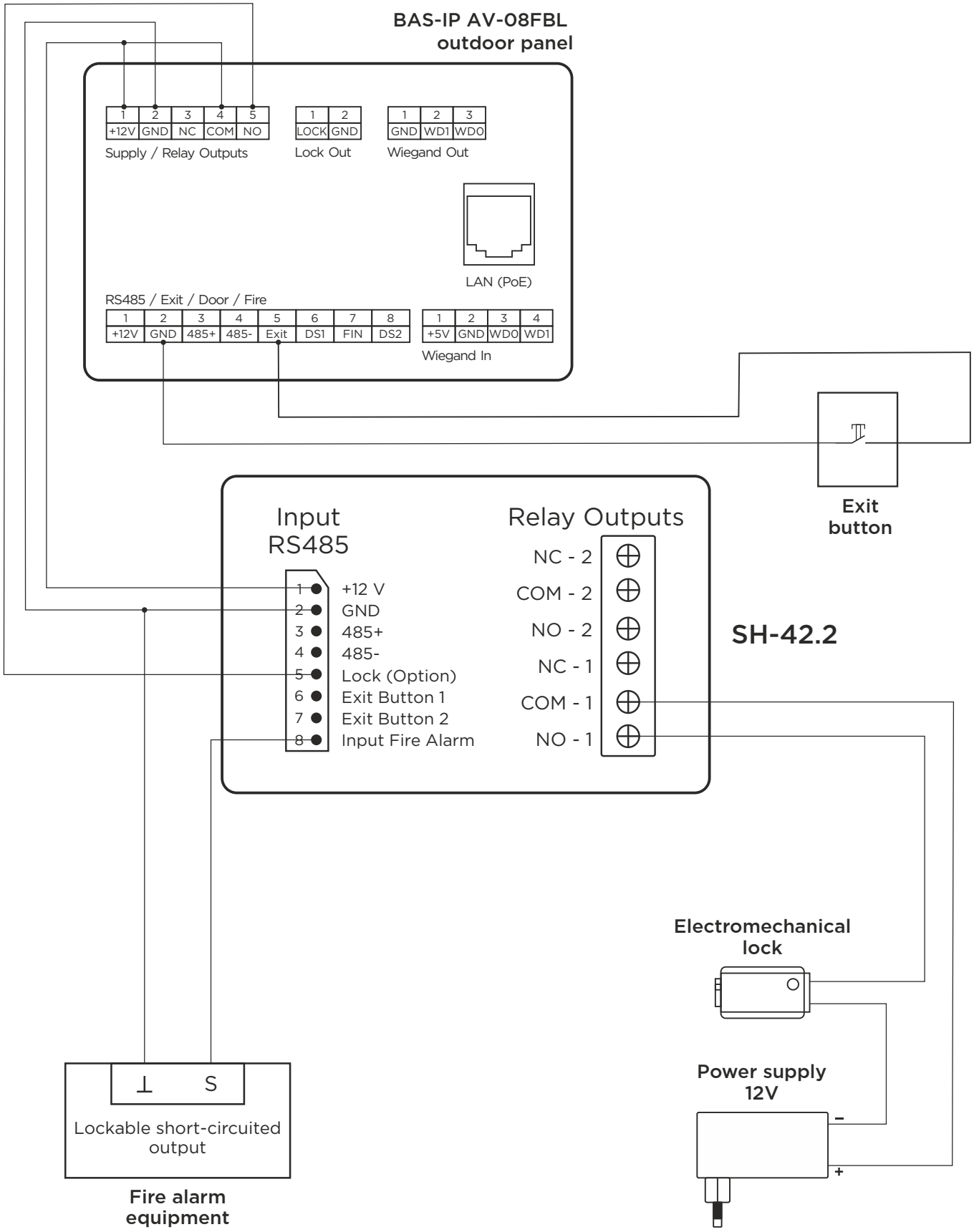


Diagram 5. Wiring diagram for SH-42.2 using the «Lock» input and an electromechanical lock powered by its own separate power supply.

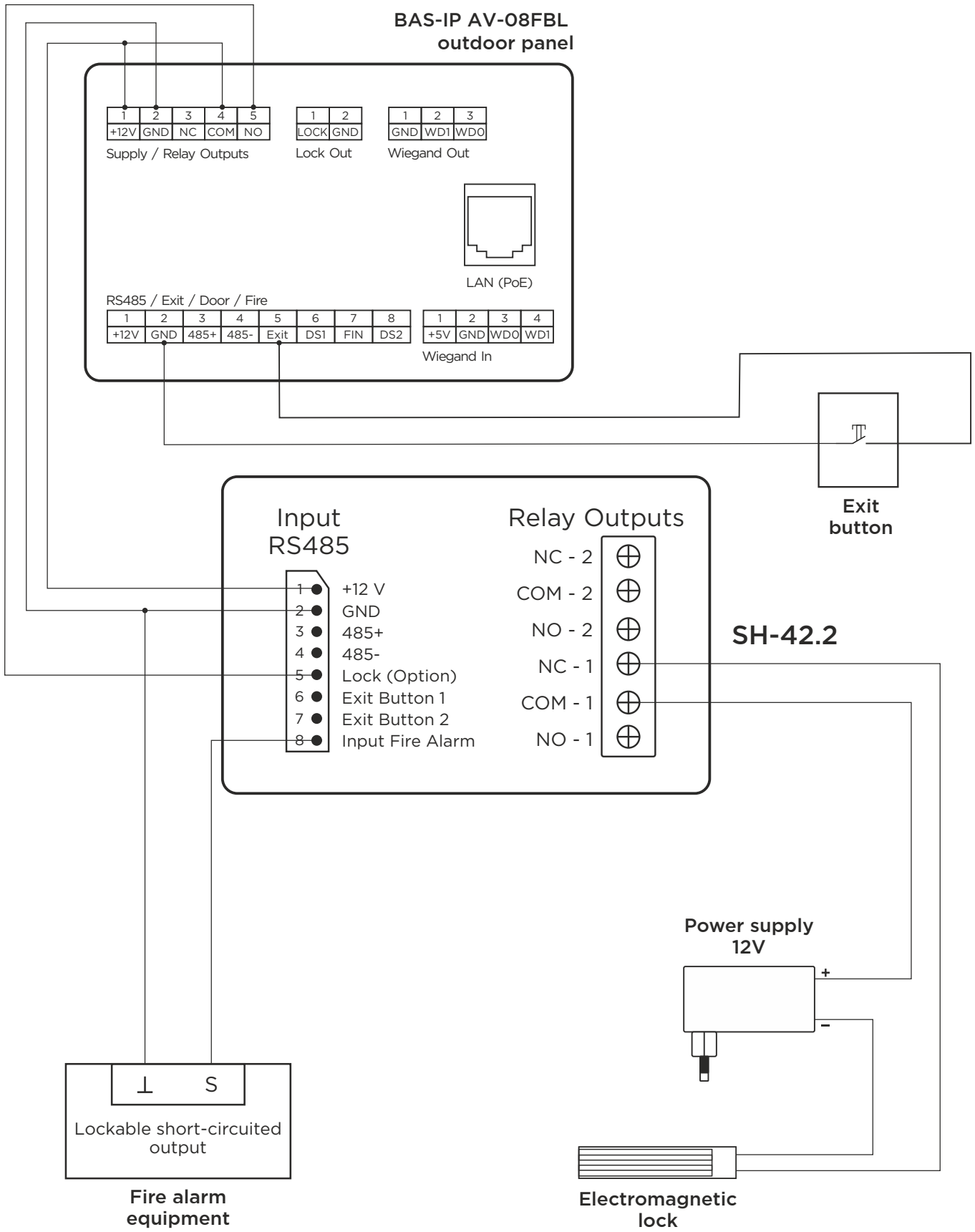
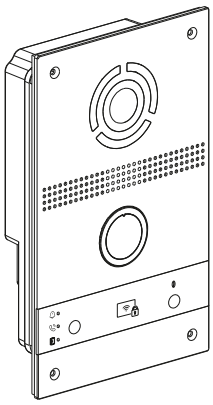


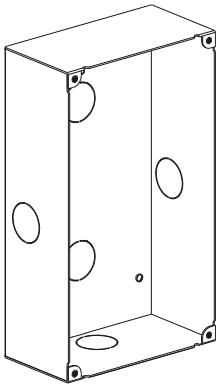
Diagram 6. Wiring diagram for SH-42.2 using the «Lock» input and an electromagnetic lock powered by its own separate power supply.

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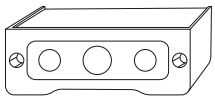
1 Check the availability of all the components required for the installation, connection and fastening.



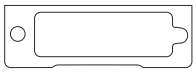
AV-08FBL outdoor panel **x1**



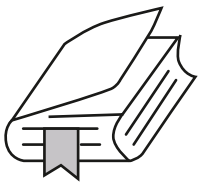
flush mounting bracket **x1**



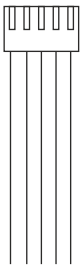
back cover **x1**



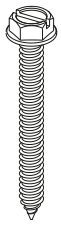
sealing gasket **x1**



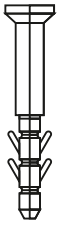
user manual **x1**



wires with connectors **x5**



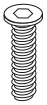
bracket fastening screws **x4**



bracket fastening anchors **x4**



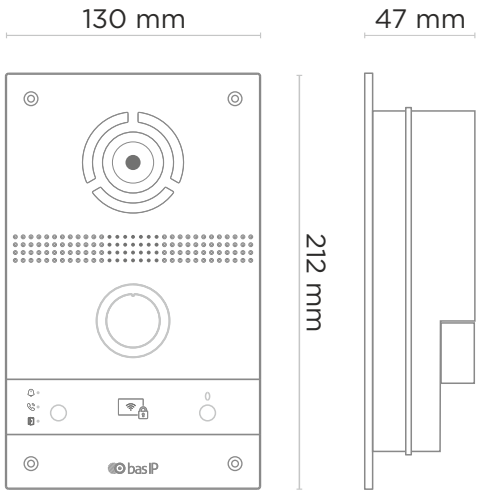
back cover fastening screws **x2**



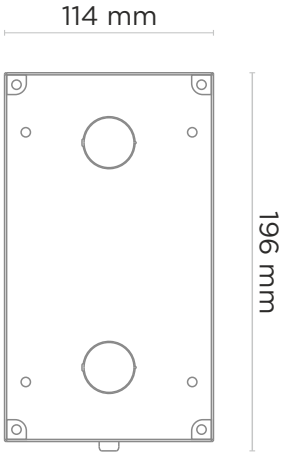
panel fastening screws **x4**

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.

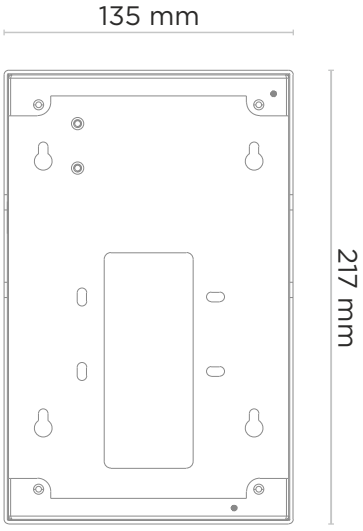
Outdoor Panel



Flush Bracket



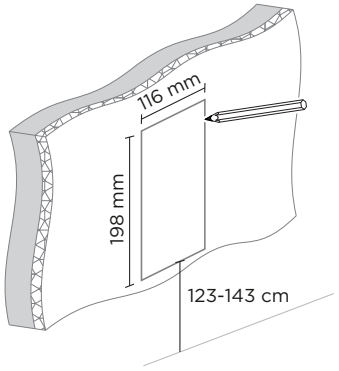
Surface Bracket with Rain Cover (BR-AV8FBL)



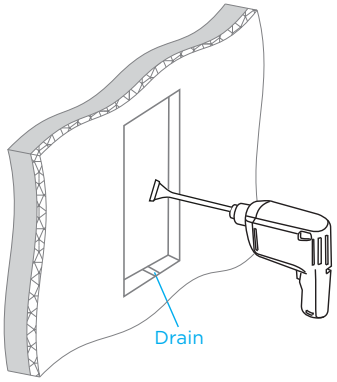
* BR-AV8FBL sold separately and does not included into outdoor panel kit

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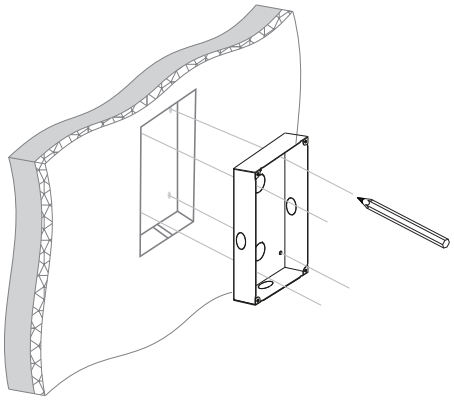
3 Draw a rectangle on the wall with specified dimensions.



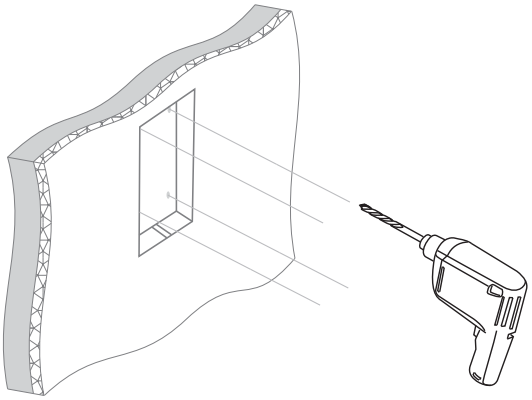
4 Create the hollow in the wall 58 mm depth for the flush mounting box. Also create the drain for the water on the bottom of the hollow.



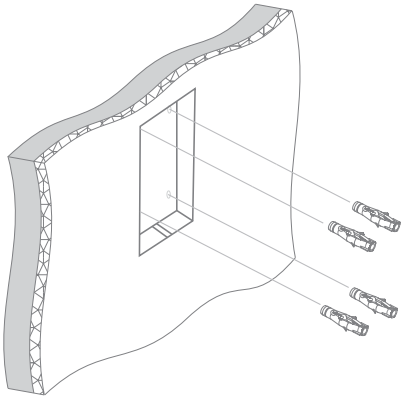
5 Put the flush mounting box into the hollow and mark four holes for the fixing anchors.



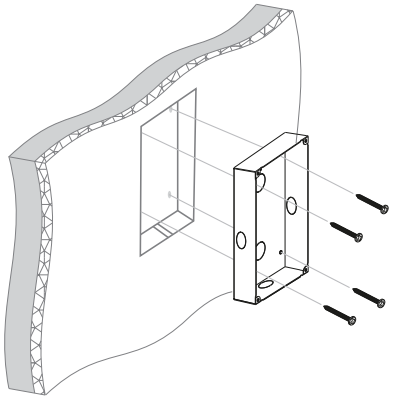
6 Drill four holes for the anchors inside the hollow.



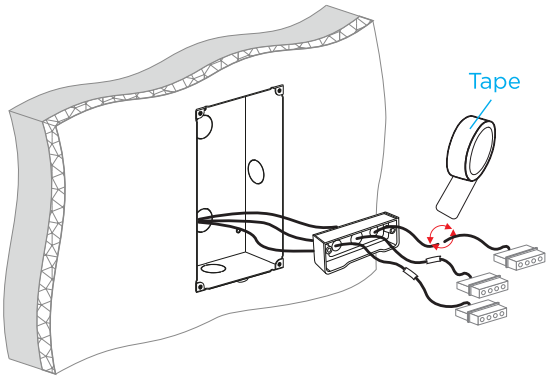
7 Install the anchors inside the drilled holes.



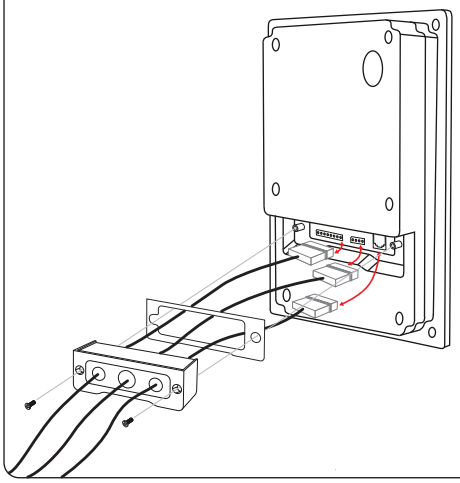
8 Fix the flush mounting box inside the hollow using screws. Attention: do not close the water drain on the bottom while fixing the flush box!



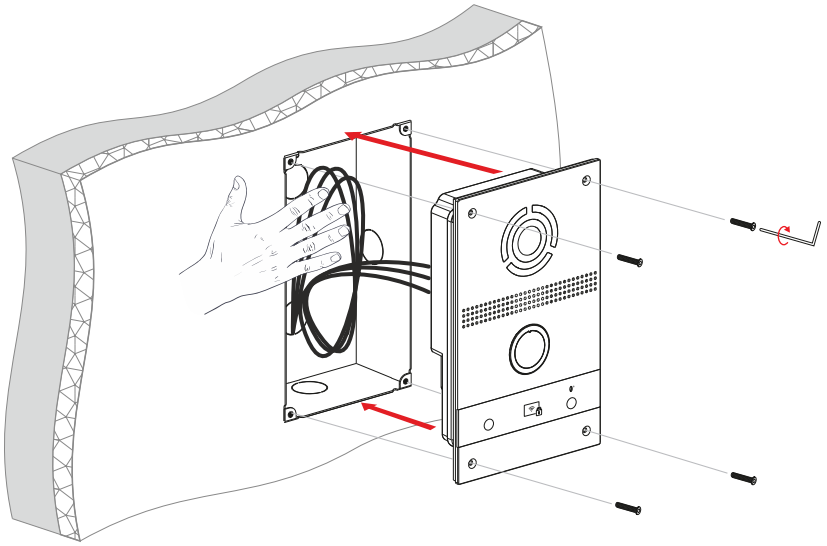
9 Push all the wires from the flush box through the holes in the back cover. Then join all the cables to the connectors and isolate them using tape.



10 Join all the connectors to the outdoor panel. Install sealing gasket and back cover on the back side of the outdoor panel. Fix the back cover using two screws from the panel kit.



11 Install the outdoor panel into the flush 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 metallic parts of the flush box. Fix the outdoor panel using four screws 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.

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Notes

Version 2.1 (2026-07)



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