basIP

USER MANUAL

AV-09KFBI



ENTRANCE PANEL



Main features

- **Panel type:** Multi-apartment.
- **Keypad:** 13-button mechanical keypad with white backlight.
- **Concierge button:** Yes, with green backlight
- **Camera:** 1/3" CMOS sensor.
- **Resolution:** 2 Mpx.
- **Viewing angle:** 120° (H), 67° (V)
- **Output video:** Full HD (1920 × 1080), H.264 Main Profile.
- **Night backlight:** 15 LEDs.
- **Light sensitivity:** 0.01 LuX.
- **Protection class:** IP65.
- **IK-Code:** IK07.
- **Output for connecting an external induction loop for the hearing impaired:** Low-frequency audio signal: 1.2V, Output impedance: 8.2 kΩ, Connector type: 3.5 mm TRS (female).
- **Status indicators:** Calling, Talking, Lock-release.
- **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 with tempered glass front panel.
- **Colors:** Silver, Black.
- **Panel dimensions:** 106 × 240 × 34.5 mm
- **Installation:** Surface mounting (standard),
Flush mounting with BF-AV09 bracket (sold separately),
Surface mounting with BR-AV09 rain cover (sold separately).

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

ENTRANCE PANEL

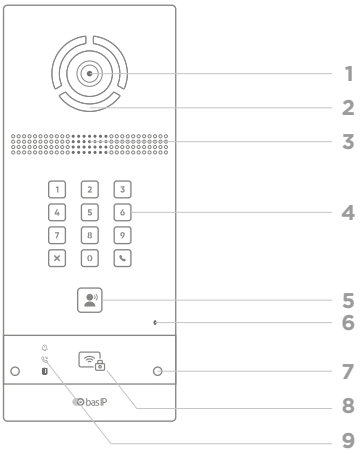
AV-09KFBI

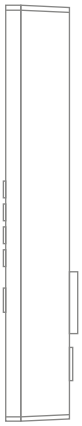
Full User Manual
wiki.bas-ip.com

Device description

AV-09KFBI is a versatile access panel and intercom system for businesses and multi-family buildings. With a sleek aluminum body, tempered glass, full keypad, concierge button, and accessibility features for hearing and visual impairments, it combines security, convenience, and modern design in one device.

Appearance





1 - Camera.
2 - Backlight.
3 - Loudspeaker.
4 - Mechanical keypad.
5 - Concierge button.
6 - Microphone.
7 - Proximity sensor.
8 - Card reader.
9 - 3 indicator LEDs:
Calling /
Talking /
Lock-release

EAN: 5060514916544 (BLACK) EAN: 5060514916551 (SILVER)

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.

Package Includes:

Outdoor panel	1 pc
User manual	1 pc
Surface mounting bracket	1 pc
Set of wires and connector for external induction loop	1 set
Screws (for panel & bracket)	6 pcs
Anchors	4 pcs
Back caps with sealing	2 pcs

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-09KFBI outdoor panel uses third party power supply and doesn't have UPS-BAS-IP then avoid using AV-09KFBI internal relay for direct electromagnetic lock connection. In this case electromagnetic lock must be connected through the SH-42.2 - SH-42.8.

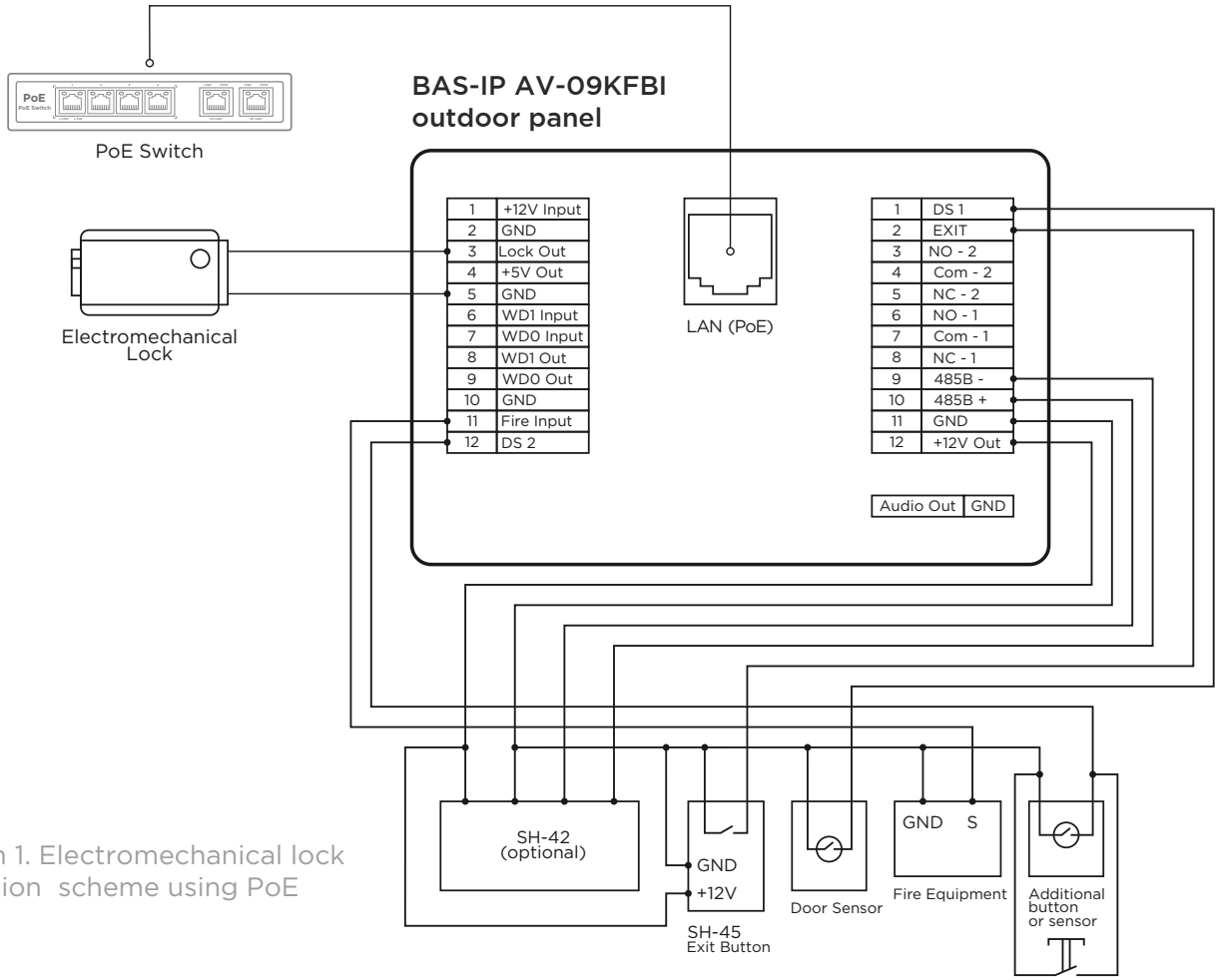


Diagram 1. Electromechanical lock connection scheme using PoE switch.

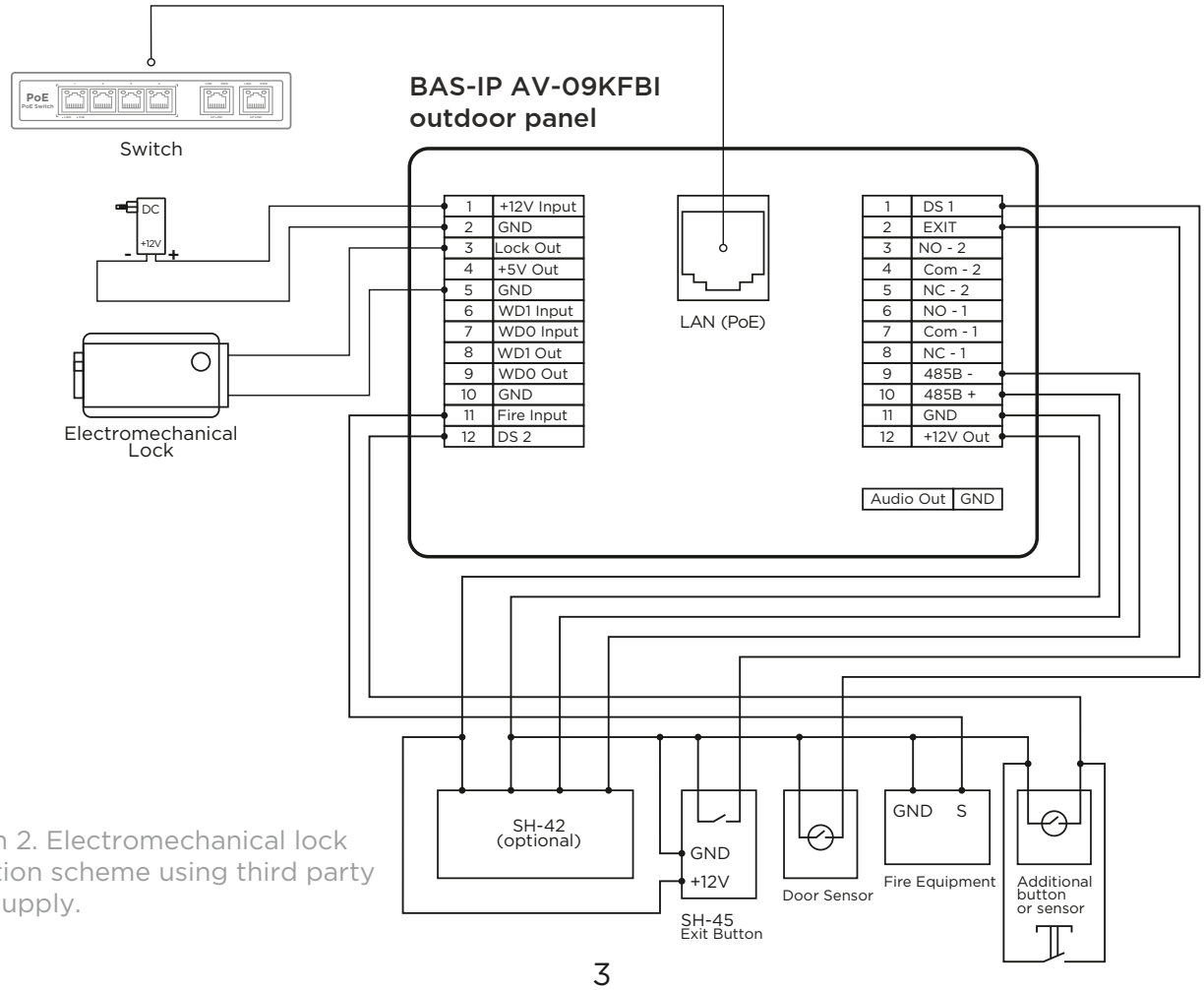
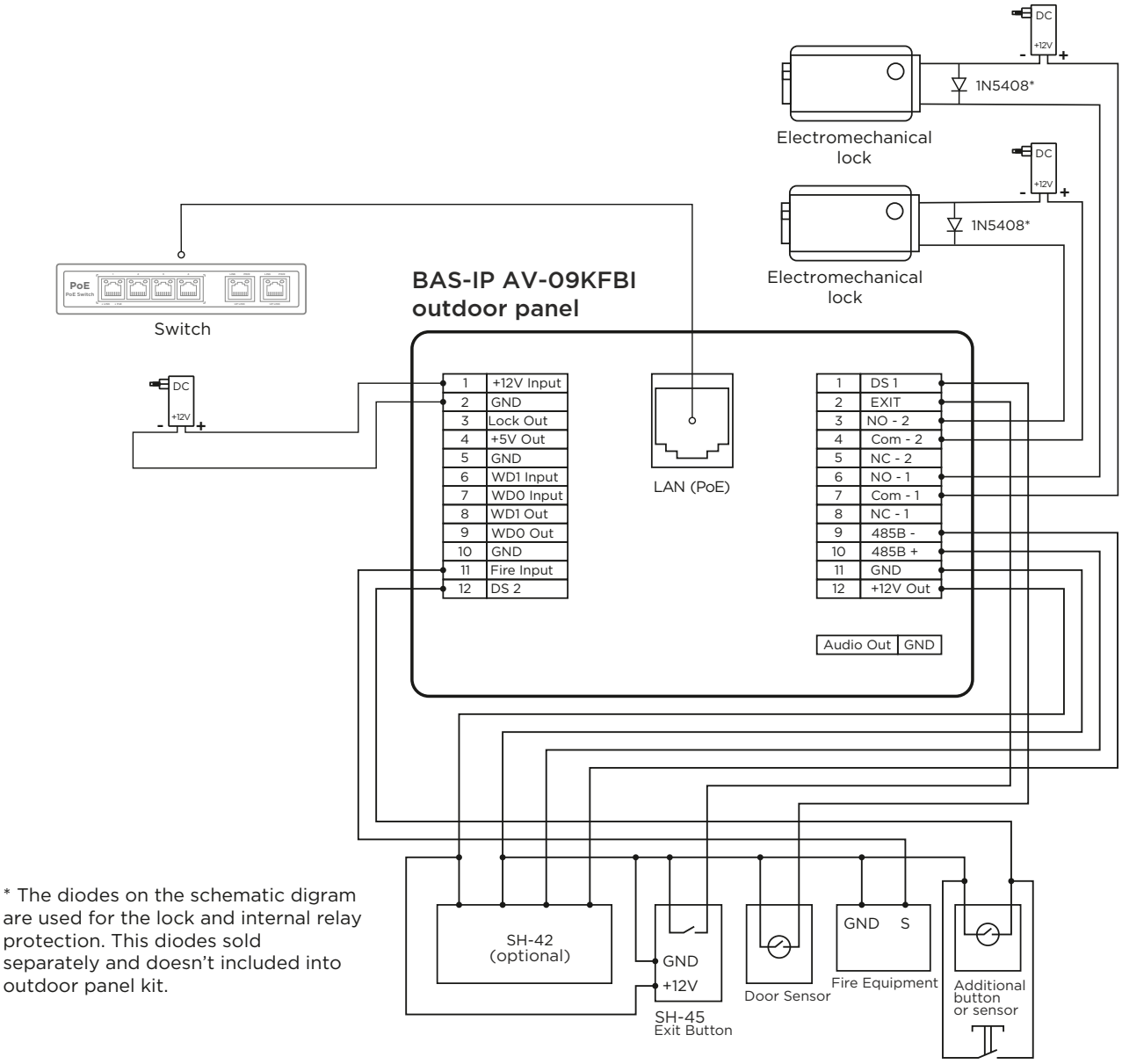
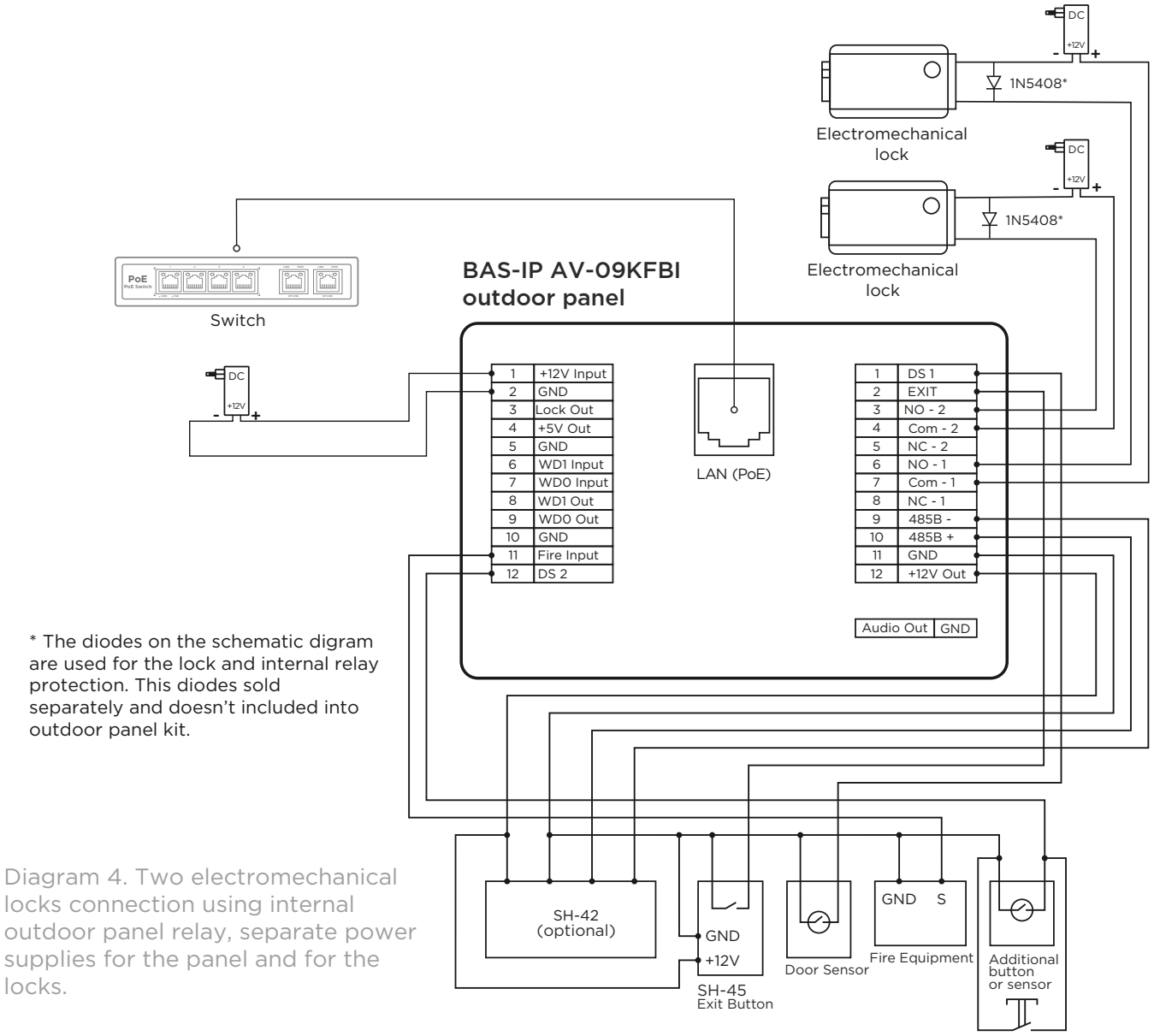


Diagram 2. Electromechanical lock connection scheme using third party power supply.



* The diodes on the schematic digram are used for the lock and internal relay protection. This diodes sold separately and doesn't included into outdoor panel kit.

Diagram 3. Two electromechanical locks connection using internal outdoor panel relay, separate power supplies for the locks and PoE for the outdoor panel.



* The diodes on the schematic digram are used for the lock and internal relay protection. This diodes sold separately and doesn't included into outdoor panel kit.

Diagram 4. Two electromechanical locks connection using internal outdoor panel relay, separate power supplies for the panel and for the locks.

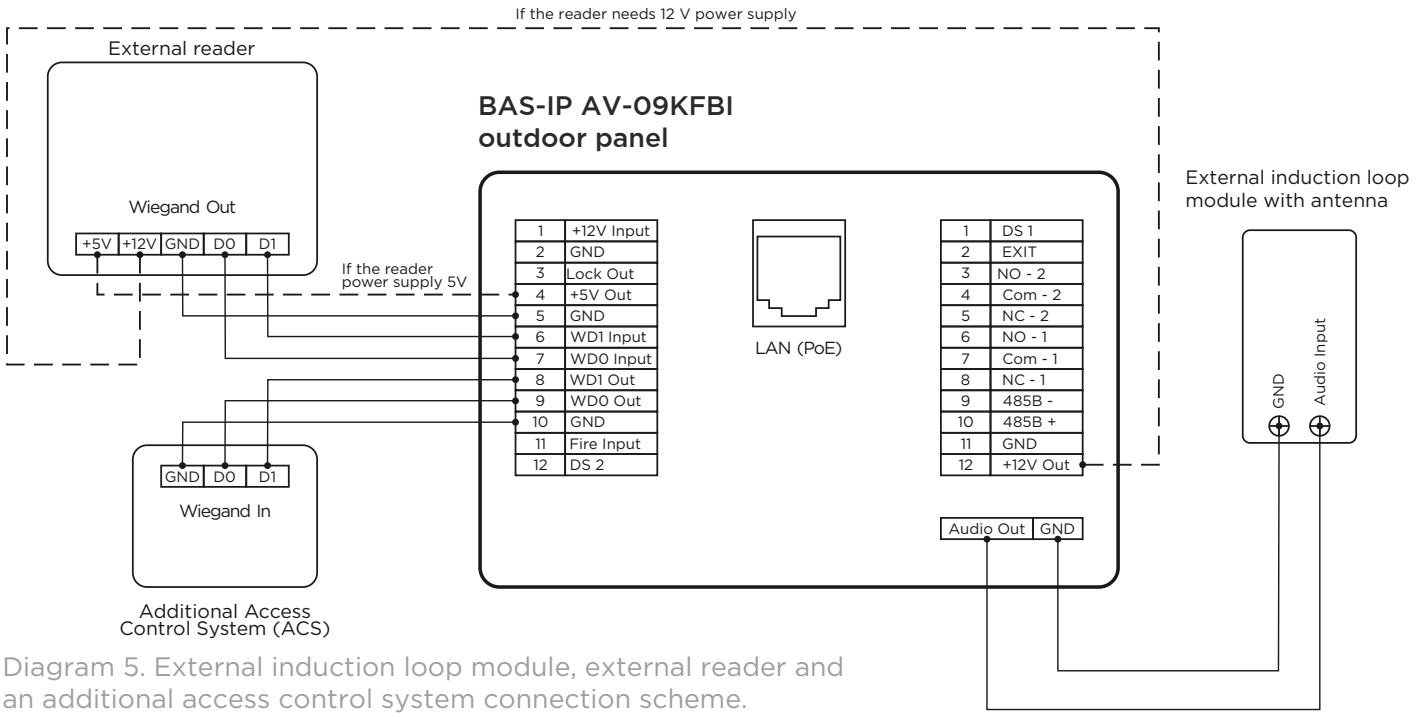


Diagram 5. External induction loop module, external reader and an additional access control system connection scheme.

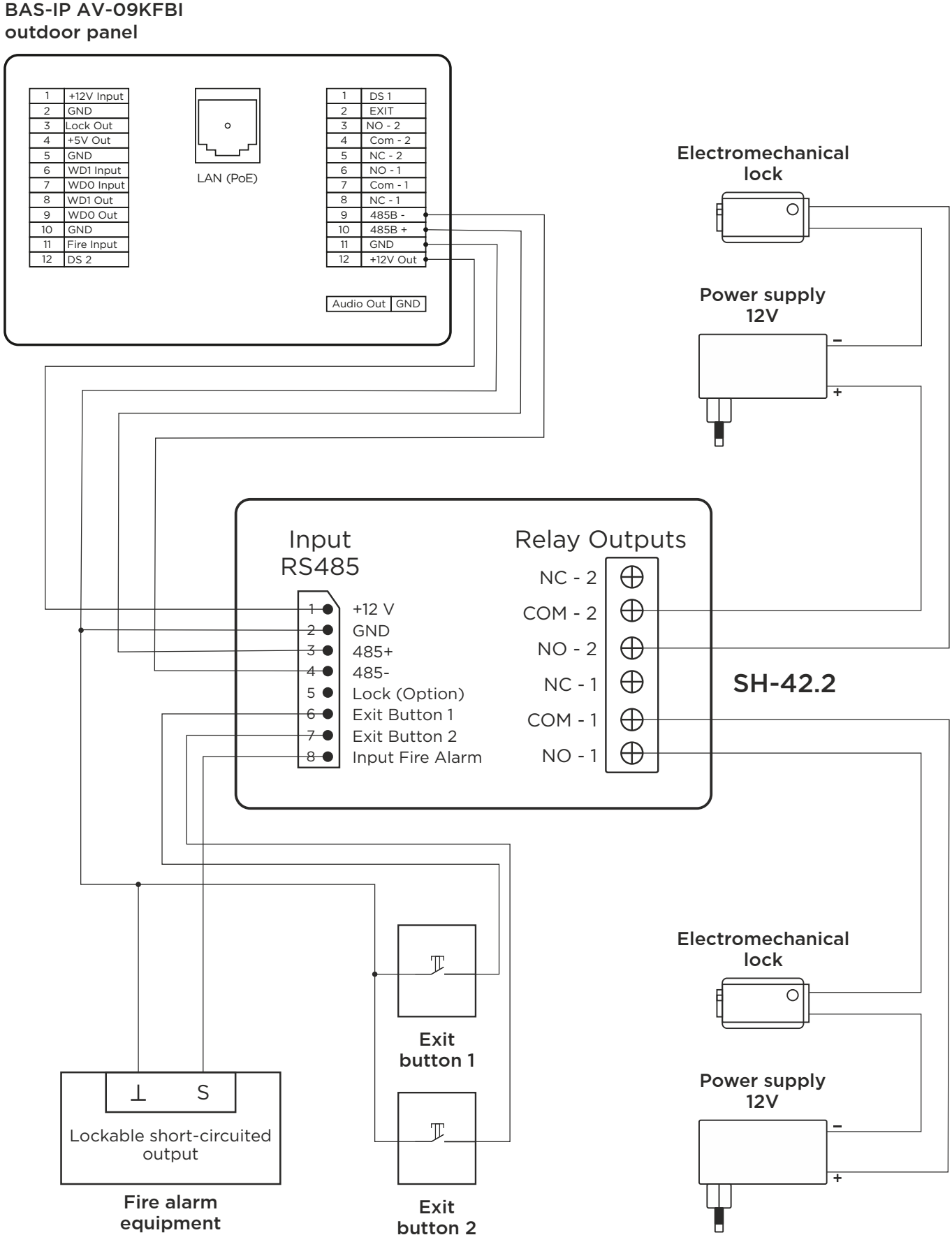


Diagram 6. Wiring diagram for SH-42.2 with two electromechanical locks, each powered by its own separate power supply.

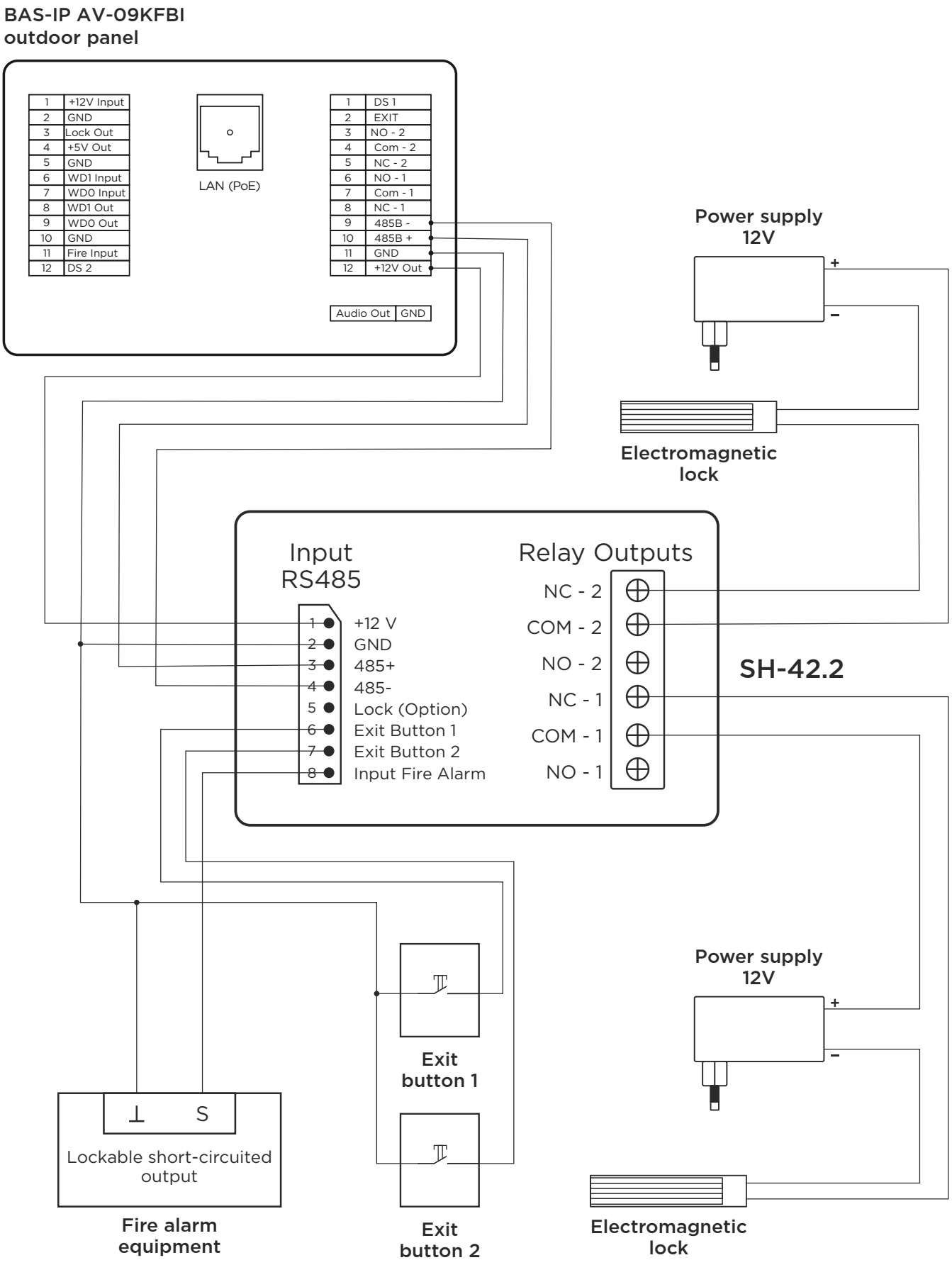


Diagram 7. Wiring diagram for SH-42.2 with two electromagnetic locks, each powered by its own separate power supply.

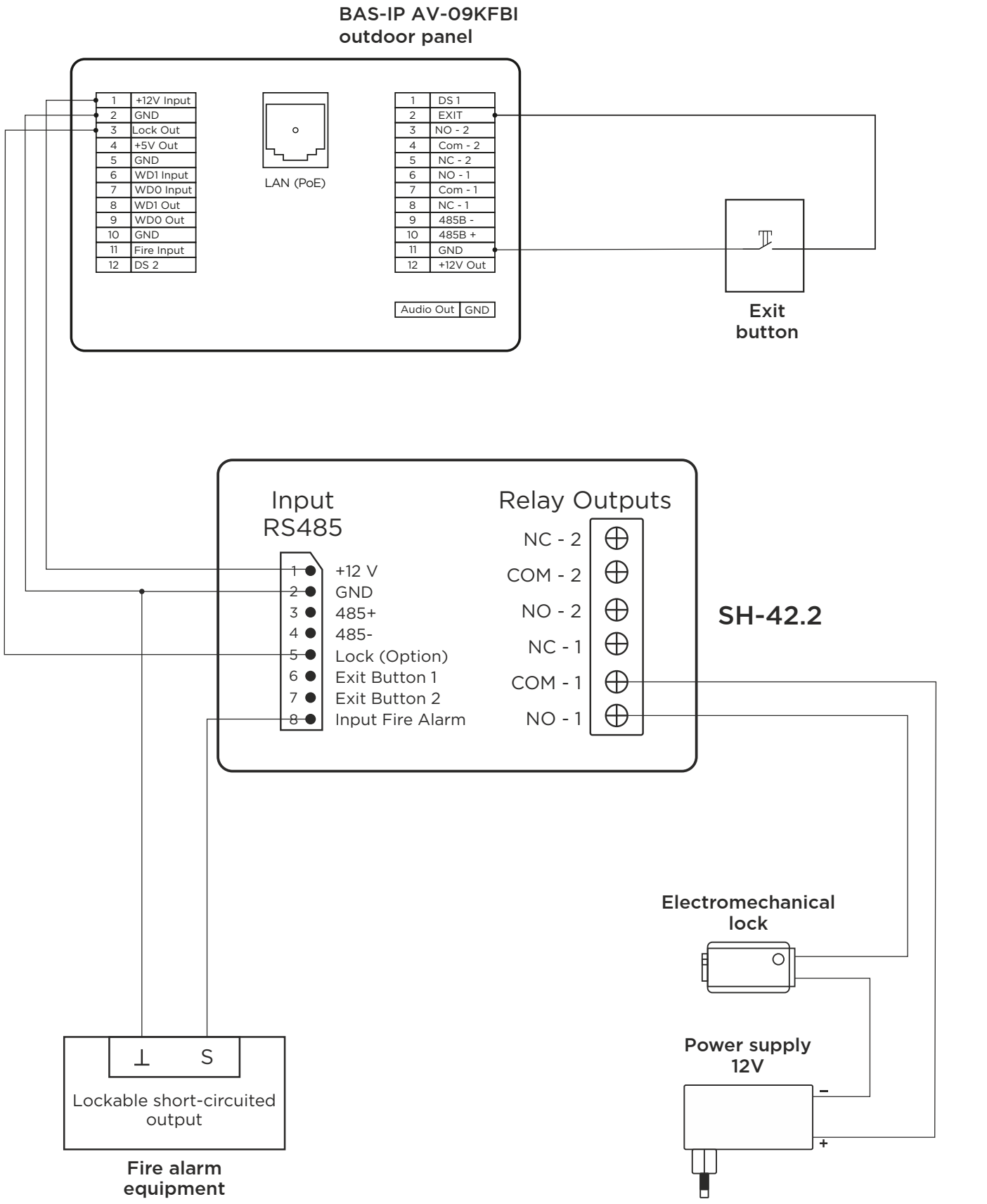


Diagram 8. Wiring diagram for SH-42.2 using the «Lock» input and an electromechanical lock powered by its own separate power supply.

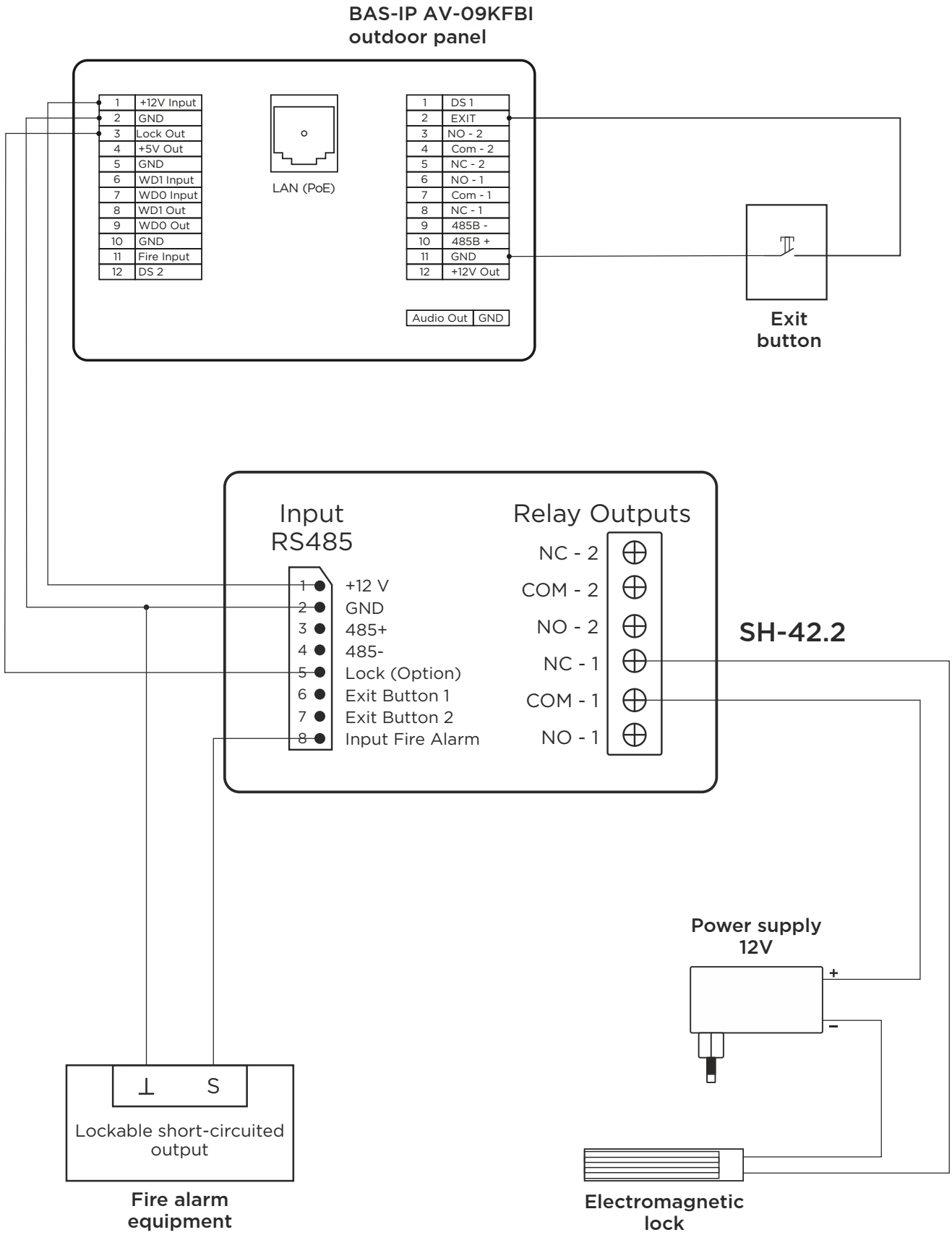
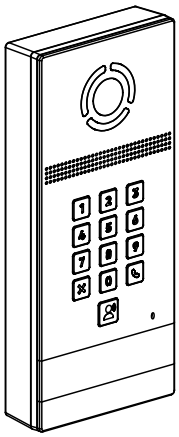


Diagram 9. Wiring diagram for SH-42.2 using the «Lock» input and an electromagnetic lock powered by its own separate power supply.

EAN: 5060514916544 (BLACK) EAN: 5060514916551 (SILVER)

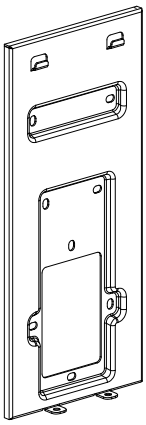
Surface installation process

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



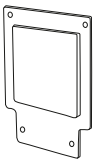
AV-09KFBI outdoor panel

x1



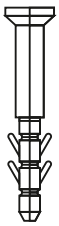
BS-AV09 surface mounting bracket

x1



back cover

x1



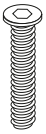
set of fastening anchors

x1



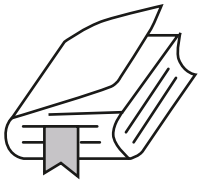
back plate

x1



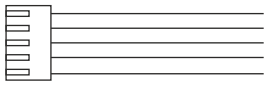
set of screws

x1



user manual

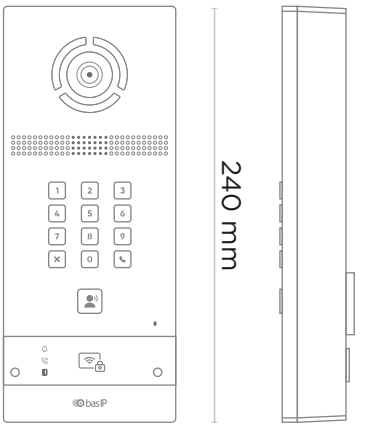
x1



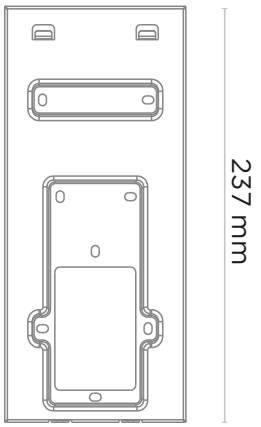
x1 set of wires with connectors

2 Verify all the diamensions of the surface 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 the panel installation.

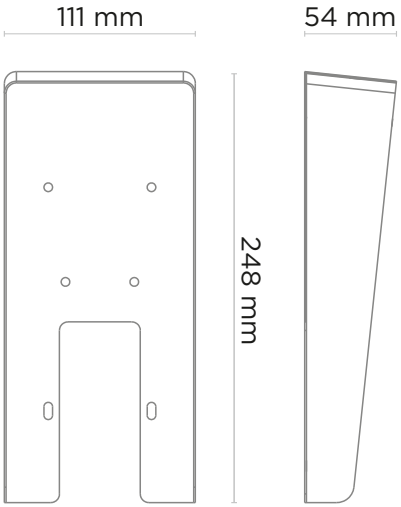
Outdoor Panel



Surface Bracket (BS-AV09)

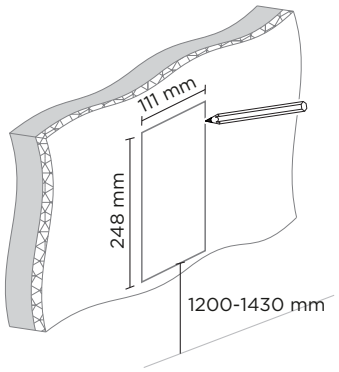


Rain Cover (BR-AV9) (sold separately)

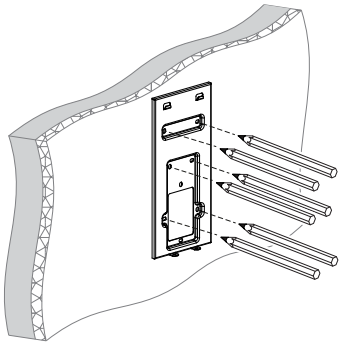


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3 Draw a rectangle on the wall according to the dimensions mentioned in the previous step.



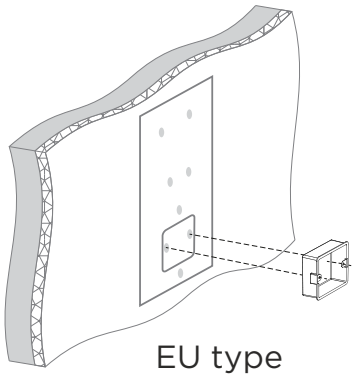
4 Place the surface mounting bracket against the rectangle. Mark the holes for the anchors and for the elctric box.



surface mounting bracket BS-AV09

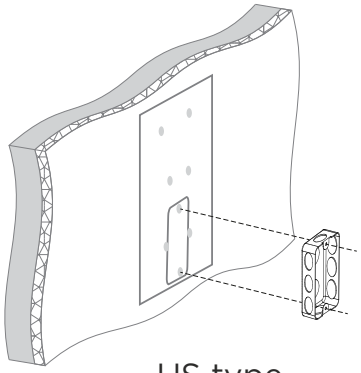
5 Mark the hollow on the wall for the type of electric connection box you have. Note that the hollow must match the holes marked on the 4th step.

A



EU type electric box

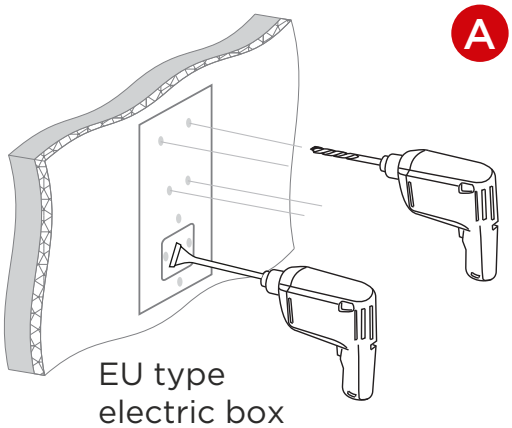
B



US type electric box

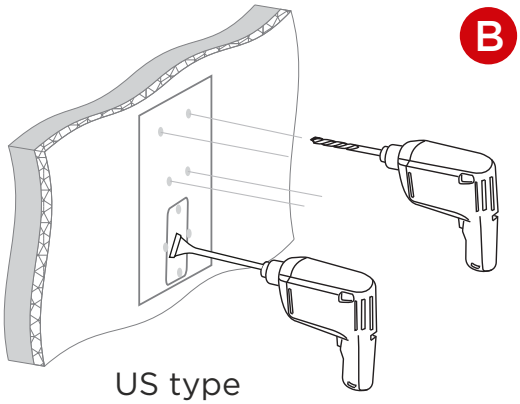
6 Drill four holes for the anchors and create the hollow in the wall for the electric connection box.

A



EU type electric box

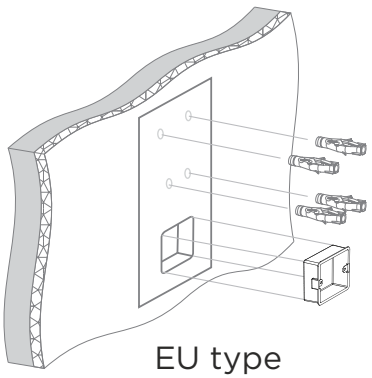
B



US type electric box

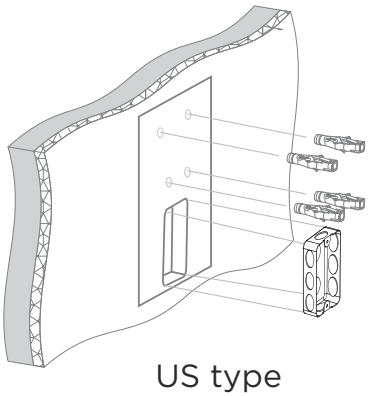
7 Install the anchors and fix electric connection box inside the wall using plaster.

A



EU type
electric box

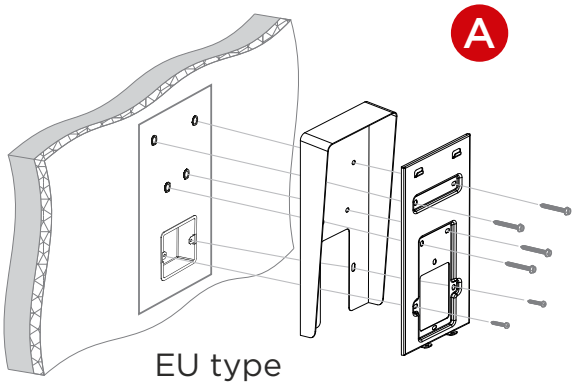
B



US type
electric box

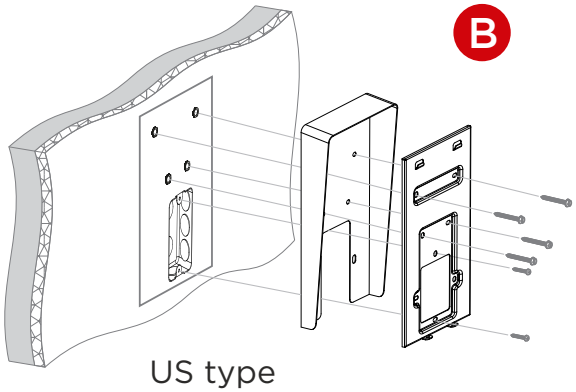
8 Fix surface mounting bracket and rain cover (if necessary) on the wall using six screws.

A



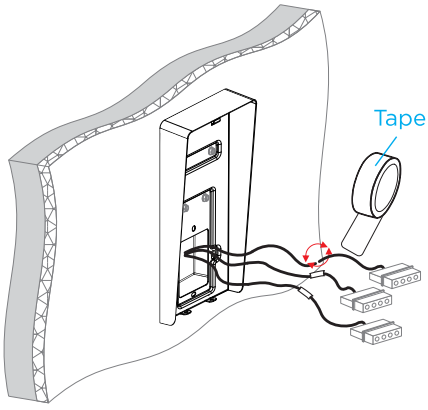
EU type
electric box

B

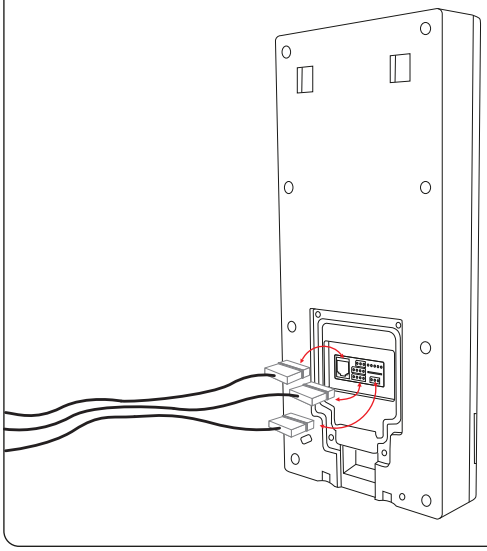


US type
electric box

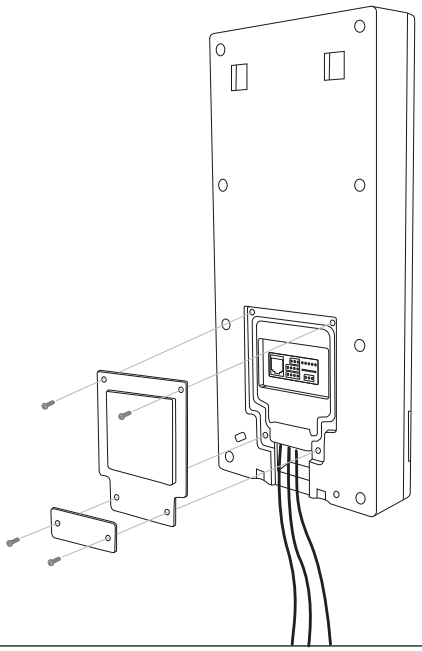
9 Connect all the necessary cables from the electric conection box to the connectors from the panel kit and isolate them using tape.



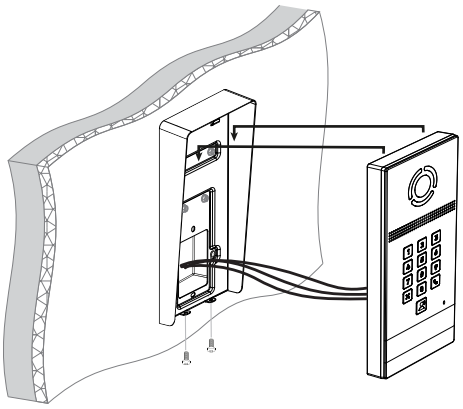
10 Join all the connectors to the outdoor panel.



11 Install the water protection cover on the back of the outdoor panel and fix it using four screws from the kit.

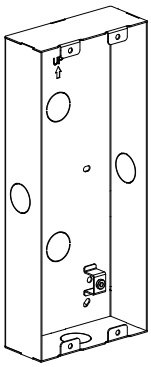


12 Install the outdoor panel on the surface mounting bracket while carefully laying all the wires inside electric connection box. Avoid squeezing the wires between the panel back and metallic parts of the surface mounting bracket. Fix the outdoor panel using two screws from the bottom side.



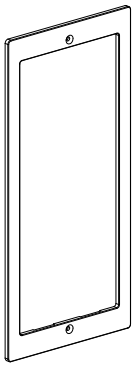
BF-AV09 (sold separately) flush mounting installation steps.

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



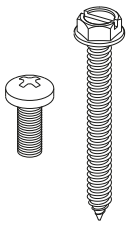
flush mounting box BF-AV09

x1



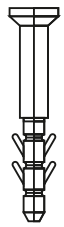
external frame BF-AV09

x1



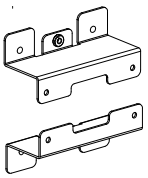
mounting screws

x14



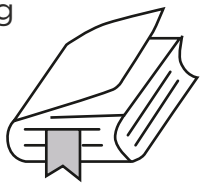
flush box fastening anchors

x4



mounting brackets

x2



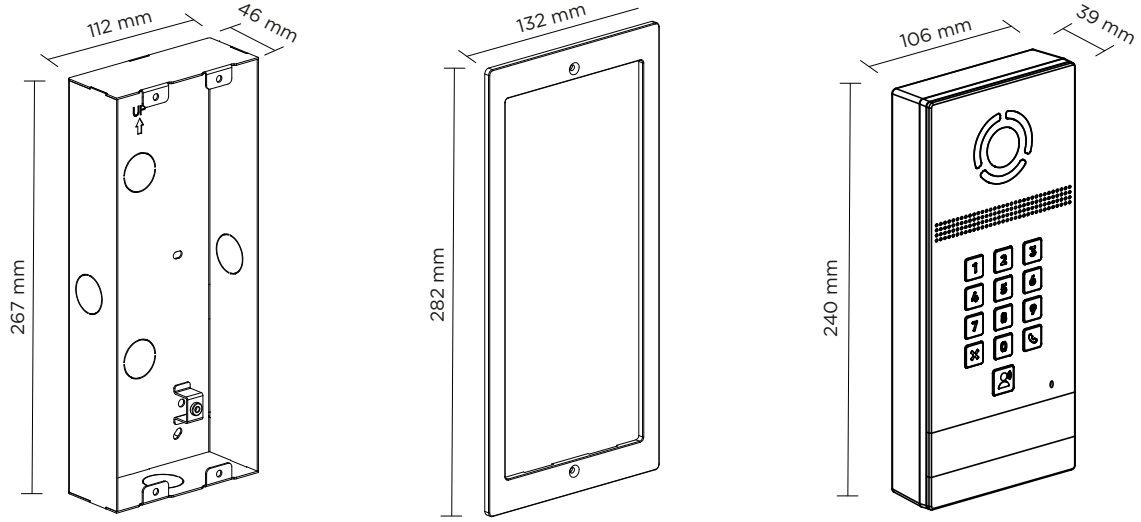
user manual

x1

* Flush mounting bracket kit does not include outdoor panel.

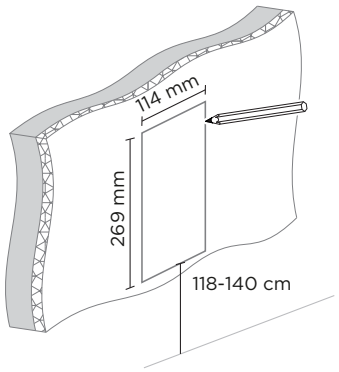
2

Verify all the diamensions of the bracket and the outdoor panel to suit intentional place of installation.



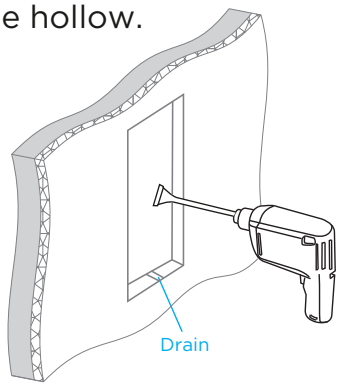
3

Draw a rectangle on the wall with specified dimensions.



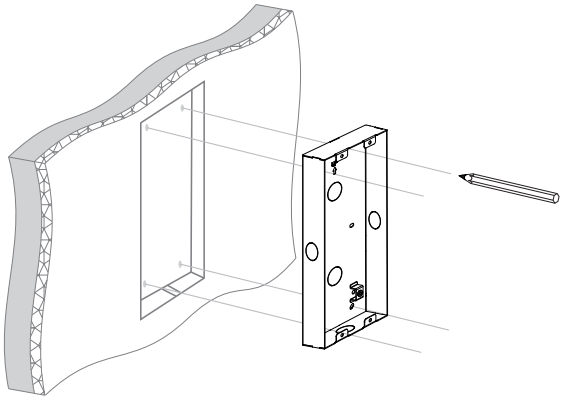
4

Create the hollow in the wall 61 mm depth for the flush mounting box. Also create the drain for the water on the bottom of the hollow.



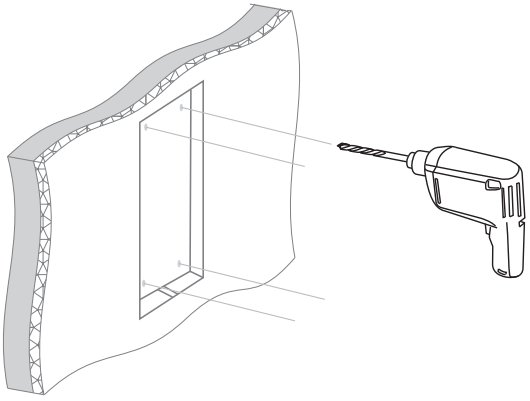
5

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

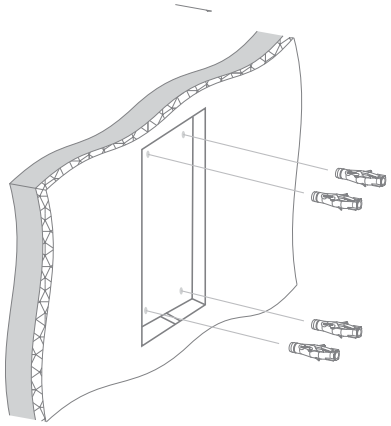


6

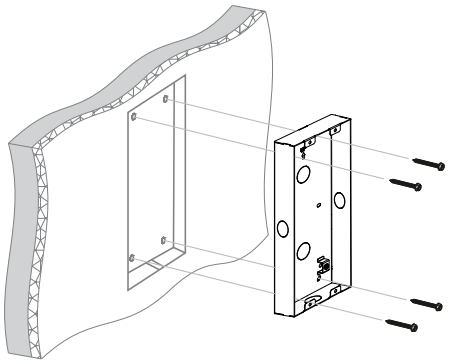
Drill four holes for the anchors inside the hollow.



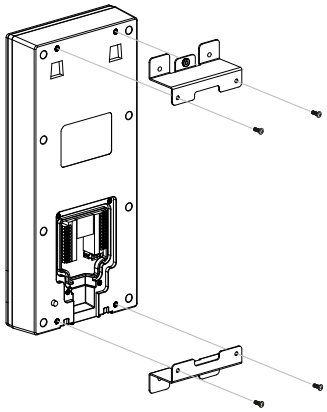
7 Install the anchors inside the drilled holes.



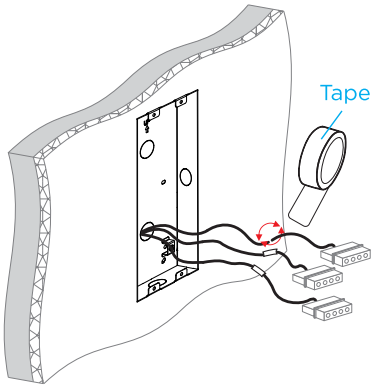
8 Fix the flush mounting box inside the hollow using screws. Attention: do not close the water drain on the bottom while fixing the flush box!



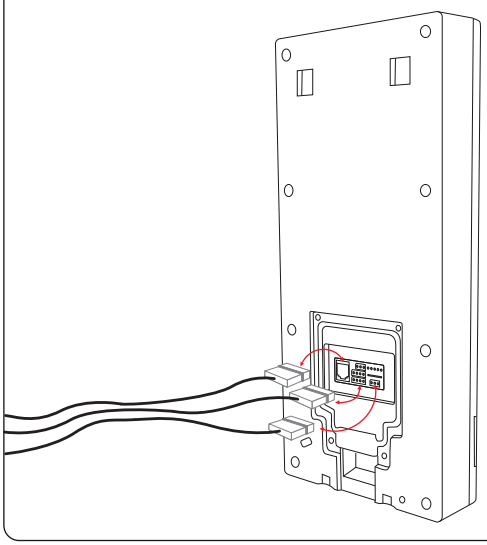
9 Install two mounting brackets on the outdoor panel back side using screws from the kit.



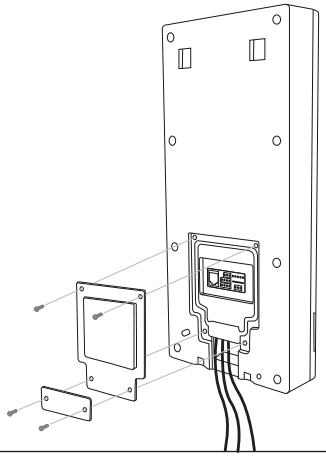
10 Connect all the necessary cables from the flush box to the connectors from the panel kit and isolate them using tape.



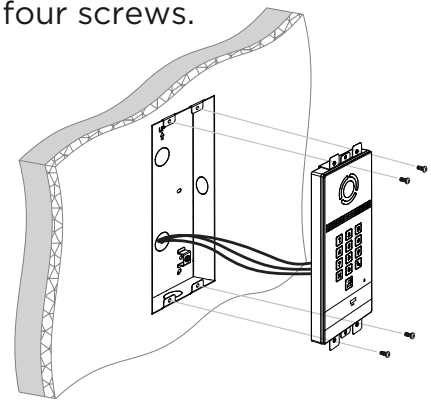
11 Join all the connectors to the outdoor panel.



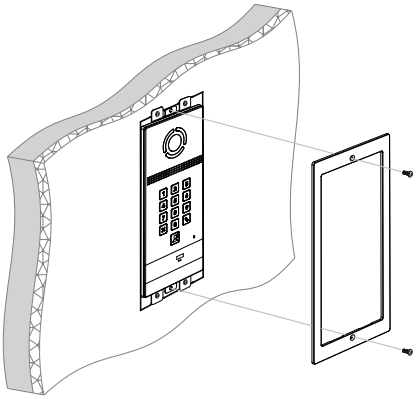
12 Install the water protection cover on the back of the outdoor panel and fix it using four screws from the panel kit.



13 Install the outdoor panel into the flush mounting box while carefully laying all the wires inside it. Avoid squeezing the wires between the panel back and metallic parts of the flush box. Fix the outdoor panel using four screws.



14 Join the external frame and fix it using two screws.



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

Version 2.2 (2026-04)



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