



Installation and operation manual

ENIR Audio doorphone set

OR-DOM-BA-935

OR-DOM-BA-935ZD

OR-DOM-BA-936ZD



CE STOP!

Be sure to read the **instruction manual** before installation!
Damage resulting from incorrect connection
ARE NOT SUBJECT TO REPAIR UNDER WARRANTY!



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1. DIRECTIONS FOR SAFTY USE

Warnings and precautions for the safe use of the product:

1. Before using the device, read this user manual carefully and keep it for future reference.
2. Self-repairs or modifications will void the warranty.
3. The device may only be used as intended. Any other use is considered unsafe.
4. The manufacturer is not liable for damages resulting from improper installation or use of the device.
5. Installation must be performed by a qualified professional authorized to install electrical equipment.
6. Perform all tasks with the power supply disconnected.
7. Do not immerse the device in water or other liquids.
8. Do not operate the device if the housing is damaged.
9. Do not touch internal components of the operating device directly or indirectly – risk of electric shock and/or burns.
10. Do not cover the device. Ensure free airflow.
11. Do not install the device near sources of strong radiation, e.g. lifts and other drive systems powered by alternating current.
12. Avoid striking, shaking, or colliding other objects with the device, as this may cause damage to the internal components of the unit.

Disposal instructions



Each household is a user of electrical and electronic equipment, and hence a potential producer of hazardous waste for humans and the environment, due to the presence of hazardous substances, mixtures and components in the equipment. On the other hand, used equipment is valuable material from which we can recover raw materials such as copper, tin, glass, iron and others. The WEEE sign placed on the equipment, packaging or documents attached to it indicates the need for selective collection of waste electrical and electronic equipment. Products so marked, under penalty of fine, cannot be thrown into ordinary garbage along with other waste. The marking means at the same time that the equipment was placed on the market after August 13, 2005. It is the responsibility of the user to hand the used equipment to a designated collection point for proper processing. Used equipment can also be handed over to the seller, if one buys a new product in an amount not greater than the new purchased equipment of the same type. Information on the available collection system of waste electrical equipment can be found in the information desk of the store and in the municipal office or district office. Proper handling of used equipment prevents negative consequences for the environment and human health!

01/2025

Applied markings



Product
compliant with
CE standard.



Manufacturer.



Disposal of used
electrical equipment.



Additional
documentation
and/or user manual.



2. PRODUCT DESCRIPTION

The Enir doorphone set offers a range of features, such as remote communication between the outdoor unit and the indoor unit, a 2-wire connection, direct control of the electric strike, and additional gate control. The electric strike does not require additional power supply, and the built-in RFID reader allows access via proximity cards and tags. The device allows 5-level volume adjustment of the bell (4 volume levels and mute), including complete muting, and the entire system can be powered by a single power supply (DIN rail power supply included in the OR-DOM-BA-935ZD/W and OR-DOM-BA-936ZD/W sets). An additional advantage is the narrow outdoor unit, which is surface-mounted and fits perfectly on narrow fence posts. It also comes with a rainshield and features a backlit nameplate.

3. INTENDED USE

The set is designed for installation in single-family (model OR-DOM-BA-935 and OR-DOM-BA-935ZD) or two-family (model OR-DOM-BA-936) buildings. The outdoor unit is suitable for surface-mounted, outdoor installation. The indoor unit is intended for surface mounting in dry rooms. The system allows remote communication and access control, making it ideal for houses, apartments, or other properties with access control requirements.

4. TECHNICAL DATA

TYPE OF THE DEVICE:	single-family (OR-DOM-BA-935 and OR-DOM-BA-935ZD) two-family (OR-DOM-BA-936)
INSTALLATION METHOD:	2-wire
COMMUNICATION SYSTEM:	wired

INDOOR UNIT

FUNCTIONS:	conversation, door and gate control, volume adjustment, silent mode
NUMBER OF RINGTONES:	1
VOLUME CONTROL:	yes
SUPPLY VOLTAGE:	18V DC, 3A
POWER CONSUMPTION:	standby <1,5W; work <4.5W
ELECTRICAL STRIKE CONTROL:	yes
GATE CONTROL:	yes
WORKING TEMPERATURE:	0°C - +50°C
MOUNTING:	surface-mounted
MATERIAL:	plastic
DIMENSIONS:	70 x 201 x 47mm
NET WEIGHT:	0.2kg

OUTDOOR UNIT

ACCESS CONTROL – RFID READER:	yes, 13.553–13.567 kHz Mifare
ACCESS CONTROL – ELECTRIC STRIKE:	yes, 12V DC max. 300mA
INGRESS PROTECTION:	IP65
SUPPLY VOLTAGE:	18V DC from indoor unit
POWER CONSUMPTION:	standby <1,5W; work <2W
WORKING TEMPERATURE:	-40°C - +50°C
MOUNTING:	surface-mounted
MATERIAL:	stainless steel + aluminum
DIMENSIONS:	54 x 139 x 33mm
NET WEIGHT:	0.3kg

5. SET CONSTRUCTION

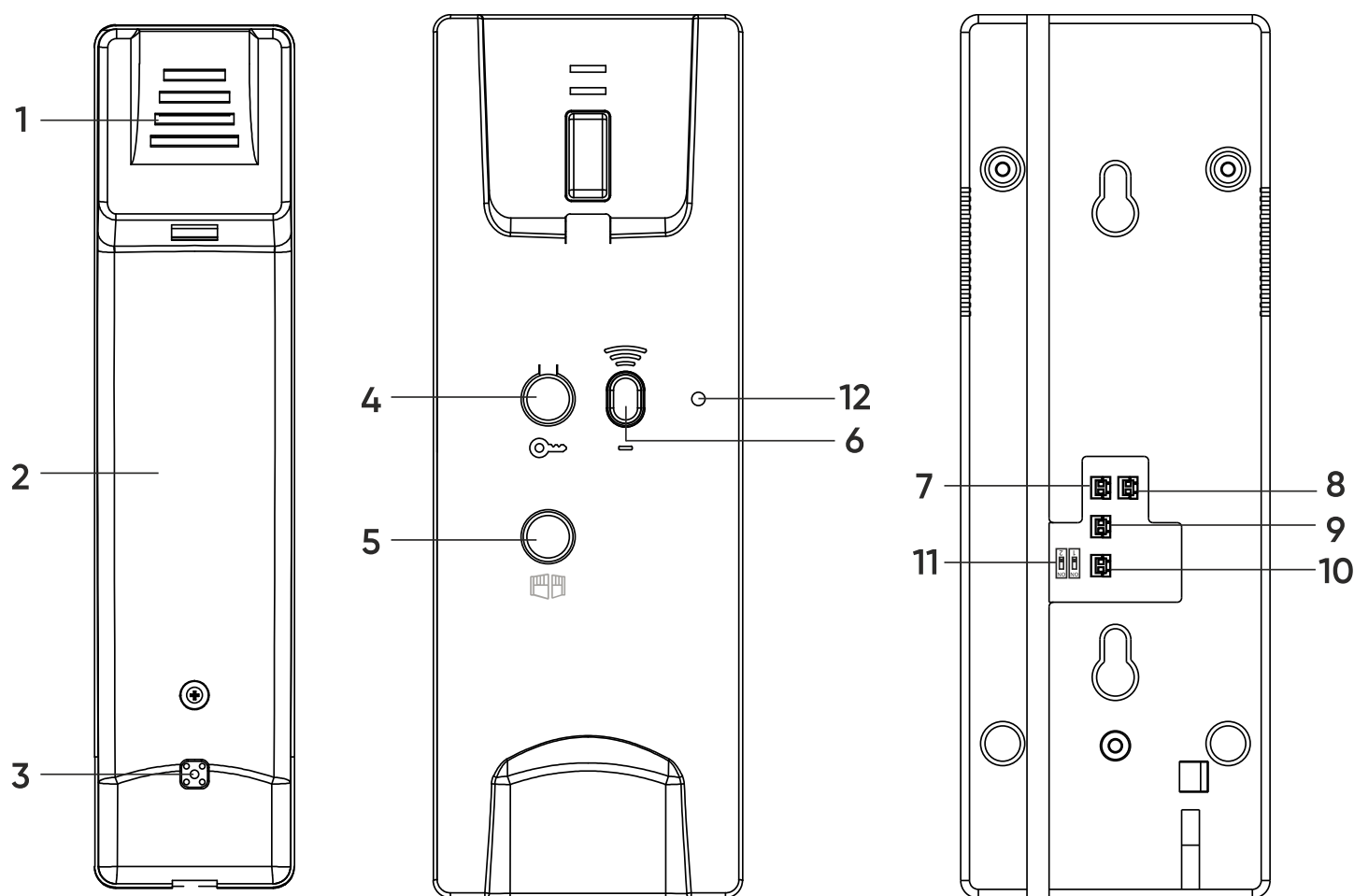


fig. 1 Construction of the indoor unit.

INDOOR UNIT

1. Handset speaker
2. Handset handle
3. Handset microphone
4. Open the door/wicket
5. Open the gate
6. Indoor unit volume control
7. BUS1 terminal to outdoor or indoor unit
8. BUS2 terminal to indoor or outdoor unit
9. Power supply terminal
10. Doorbell button terminal
11. Indoor unit code

Switch 1 indicates the family number: ON – family 1, OFF – family 2.

Switch 2 indicates the indoor unit type: ON – additional indoor unit, OFF – main indoor unit.

Note: the system can include a maximum of two indoor units – one main and one additional, or two main units.

Regardless of the settings, the indoor unit does not have the intercom function.

12. Status indicator (LED diode)

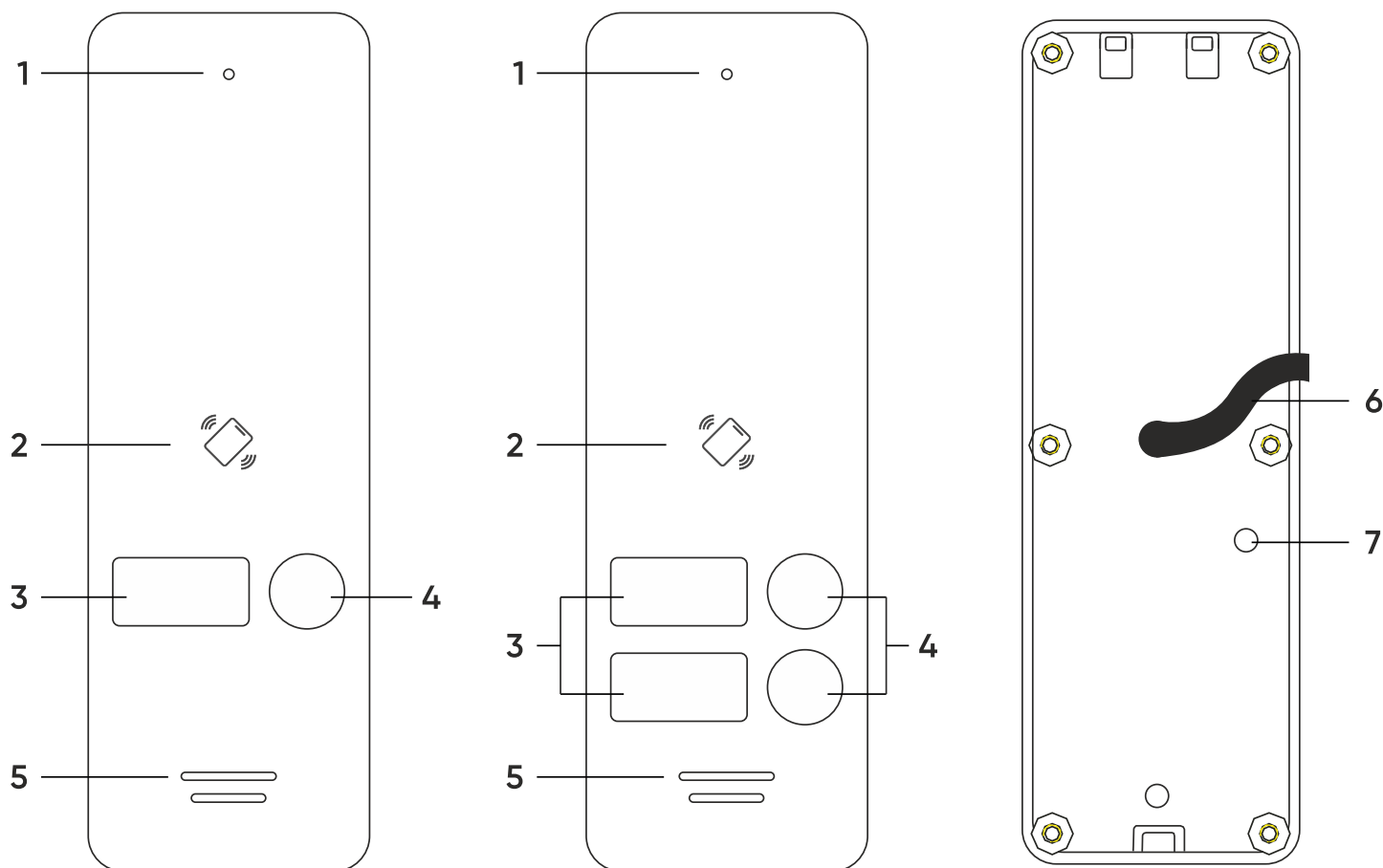


fig. 2 Construction of the outdoor unit.

OUTDOOR UNIT

1. Microphone
2. RFID reader
3. Backlit nameplate
4. Call button
5. Speaker
6. Connection cable
7. Outdoor unit volume control

WIRING DESCRIPTION

Orange – NO2	}	Lock connection
White – COM2		
Green – NC2		
Grey – GND		
Red – VL+		
Black – GND	}	Exit buttons
Brown – EXIT1		
Yellow – EXIT2		
Blue – BUSA	}	Power supply (from indoor unit)
Purple – BUSB		

6. INSTALLATION

The proper placement of the outdoor unit determines the comfort of working with the device. It is recommended to test the device before making the mounting holes. For this purpose, the outdoor unit and the indoor unit should not be placed in the same room, as feedback (a piercing squeal) may occur. The set is designed for surface-mounted installation.

OUTDOOR UNIT INSTALLATION

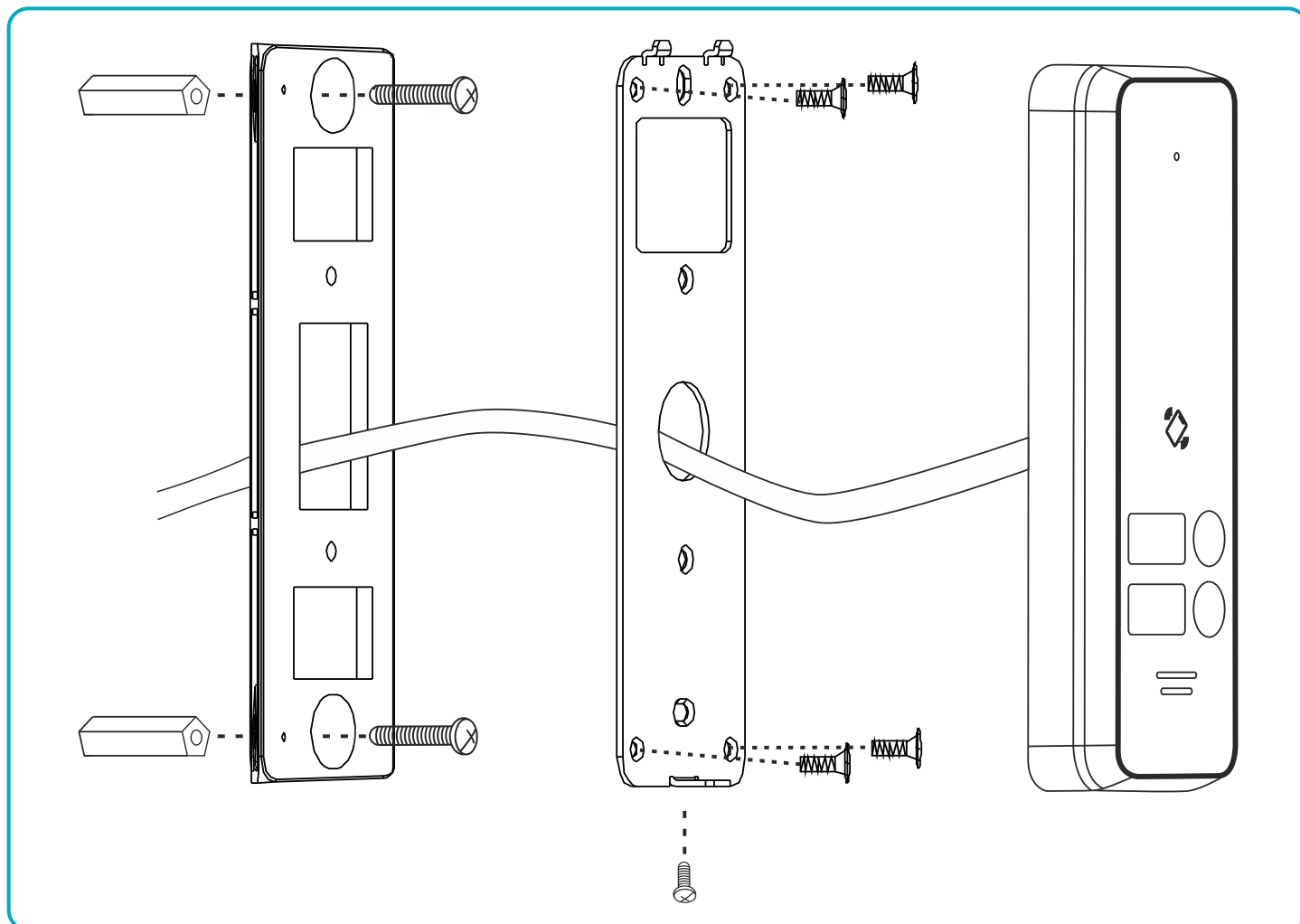


fig. 3 Outdoor unit installation.

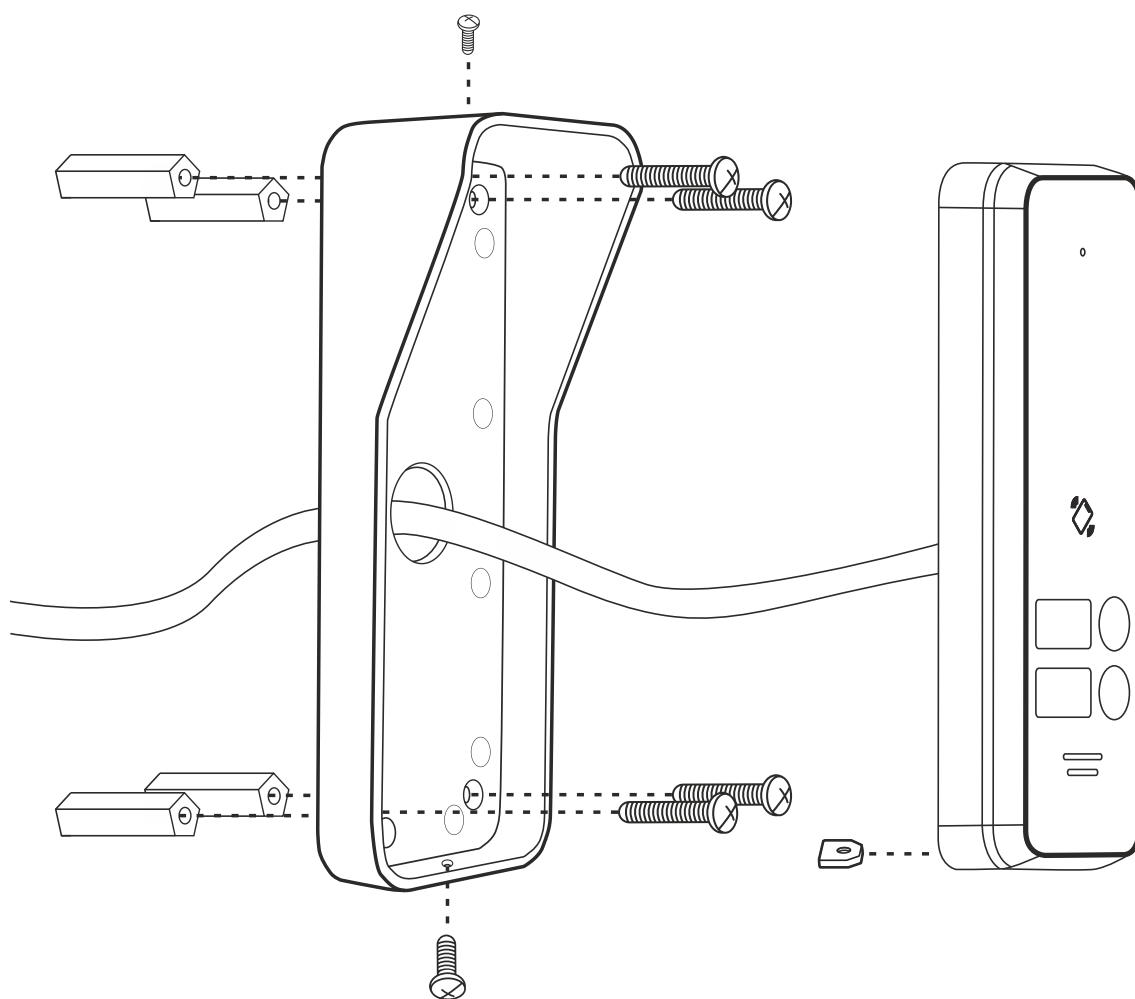


fig. 4 Outdoor unit installation with the use of the rainshield.

1. Determine the installation location. The device should be installed in a location that allows for convenient use.
2. Make sure that the connection cable is brought to the chosen location and that its length is sufficient to connect the device.
3. Remove the mounting frame from the outdoor unit. Use the frame or the rainshield to mark the positions for the screw holes. If installing at an angle, use the angled mounting frame to mark the hole positions.
4. Drill holes at the marked positions.
5. Insert the wall plugs (included in the kit) into the drilled holes.
6. Pass the connection cable through the mounting elements.
7. Using the screws included in the kit, attach the mounting elements to the wall in the following order: wall > angled mounting frame (optional) > rainshield (optional) > mounting frame.
8. Connect the wires according to the connection diagram.
9. Attach the outdoor unit to the mounting frame, starting from the top latches and pressing down on the bottom until you hear a characteristic click.
10. Secure the panel at the bottom with the small screw provided in the set.

11. Installation of the unit in the rainshield:

Place the bracket in the recess at the bottom of the outdoor unit, then slide the unit into the rainshield. Secure the outdoor unit in the rainshield by tightening the securing screw from the top (small screw) and from the bottom of the rainshield (large screw).

INDOOR UNIT INSTALLATION

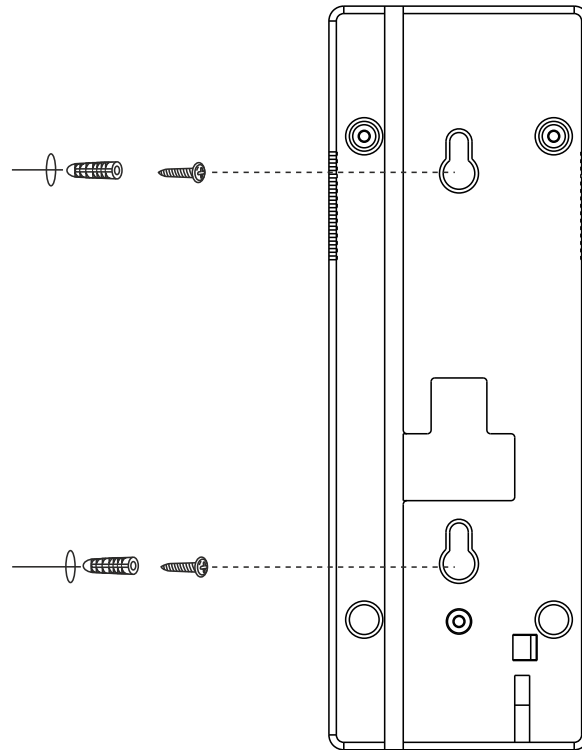


fig. 5 Indoor unit installation.

1. Determine the installation location. Install the device at a location that best suits your eye level.
2. Make sure that the connection cable is brought to the chosen location and that its length is sufficient to connect the device.
3. Mark two positions for screws corresponding to the mounting hole spacing of the indoor unit (approximately 10.5 cm vertically). Use a spirit level to ensure the indoor unit will hang evenly.
4. Drill holes at the marked positions.
5. Insert the wall plugs (included in the kit) into the drilled holes.
6. Screw in the screws (included in the kit) into the wall plugs, but do not tighten them completely – leave them protruding enough to hang the indoor unit. Ensure the screws are securely fixed and protrude evenly.
7. Connect the wires according to the connection diagram.
8. Hang the indoor unit on the protruding screws, aligning the holes in the rear housing. Gently pull it down to ensure the device is securely mounted on the screws.
9. Connect the power supply to the set and check if the handset functions properly.



7. WIRING DIAGRAMS

Do not make any connections if the device is connected to the 230V/50Hz power network! Failure to follow this recommendation may result in damage to the device. To avoid interference, do not place "low-voltage" wires in the same conduit as high-power wires

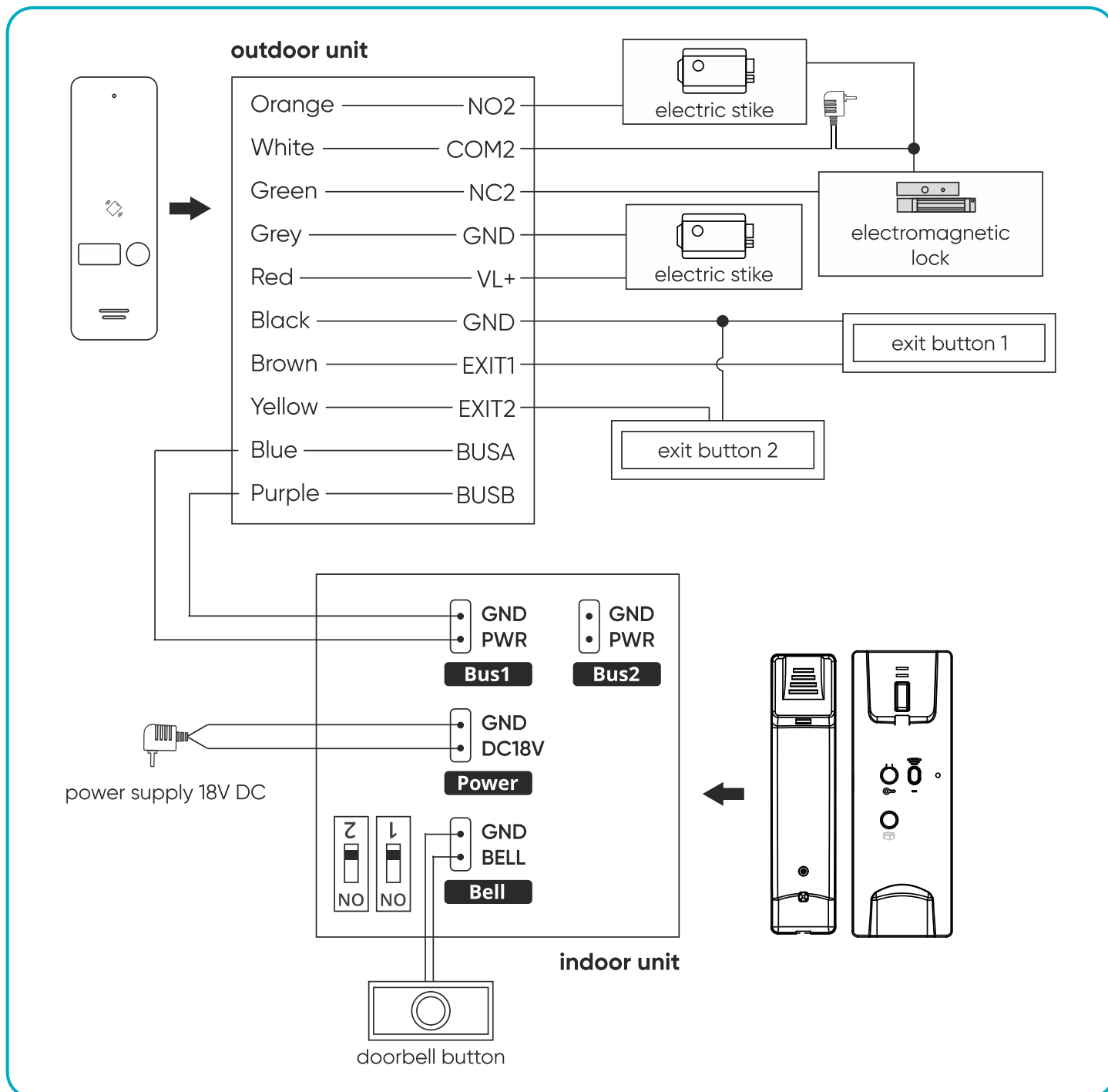


fig. 6 Wiring diagram for a single-family set (OR-DOM-BA-935).

The set does not include connection cables and electric door strike!

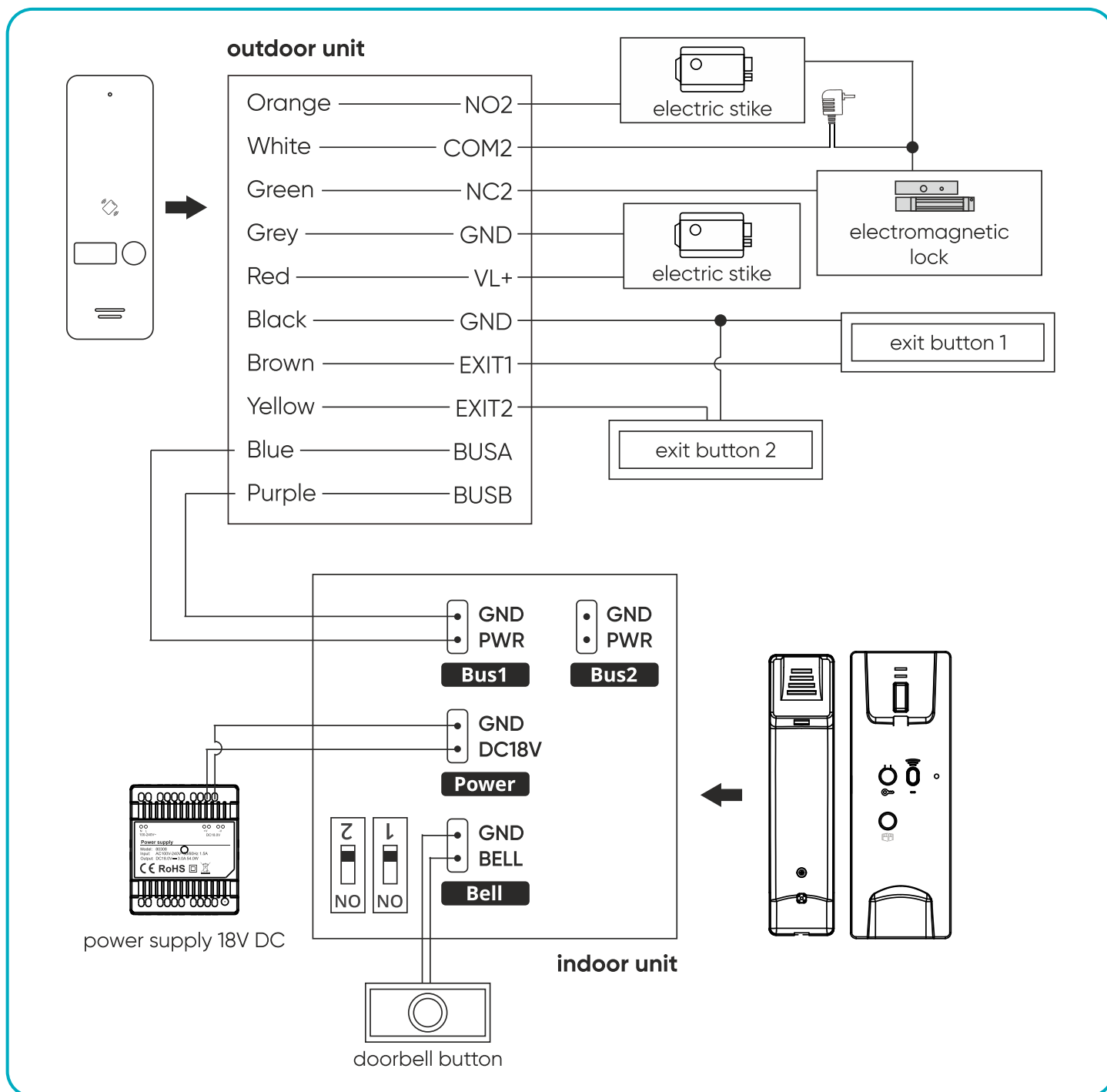


fig. 7 Wiring diagram for a single-family set (OR-DOM-BA-935ZD).

! The set does not include connection cables and electric door strike!

When designing the electrical installation, it is important to consider the appropriate cable cross-section:

up to 30 m - recommended cable XzTKMXpw 2 x 2 x 0.5 mm

from 30 m to 100 m - recommended cable XzTKMXpw 2 x 2 x 0.8 mm

The connection to the electromagnetic lock should be made with 2 x 0,8 mm cable. The set is compatible with any electric door strike with 12V DC supply voltage and current consumption of max. 300 mA. The total length of the installation must not exceed 100 meters. We absolutely do not recommend the use of twisted-pair cables.

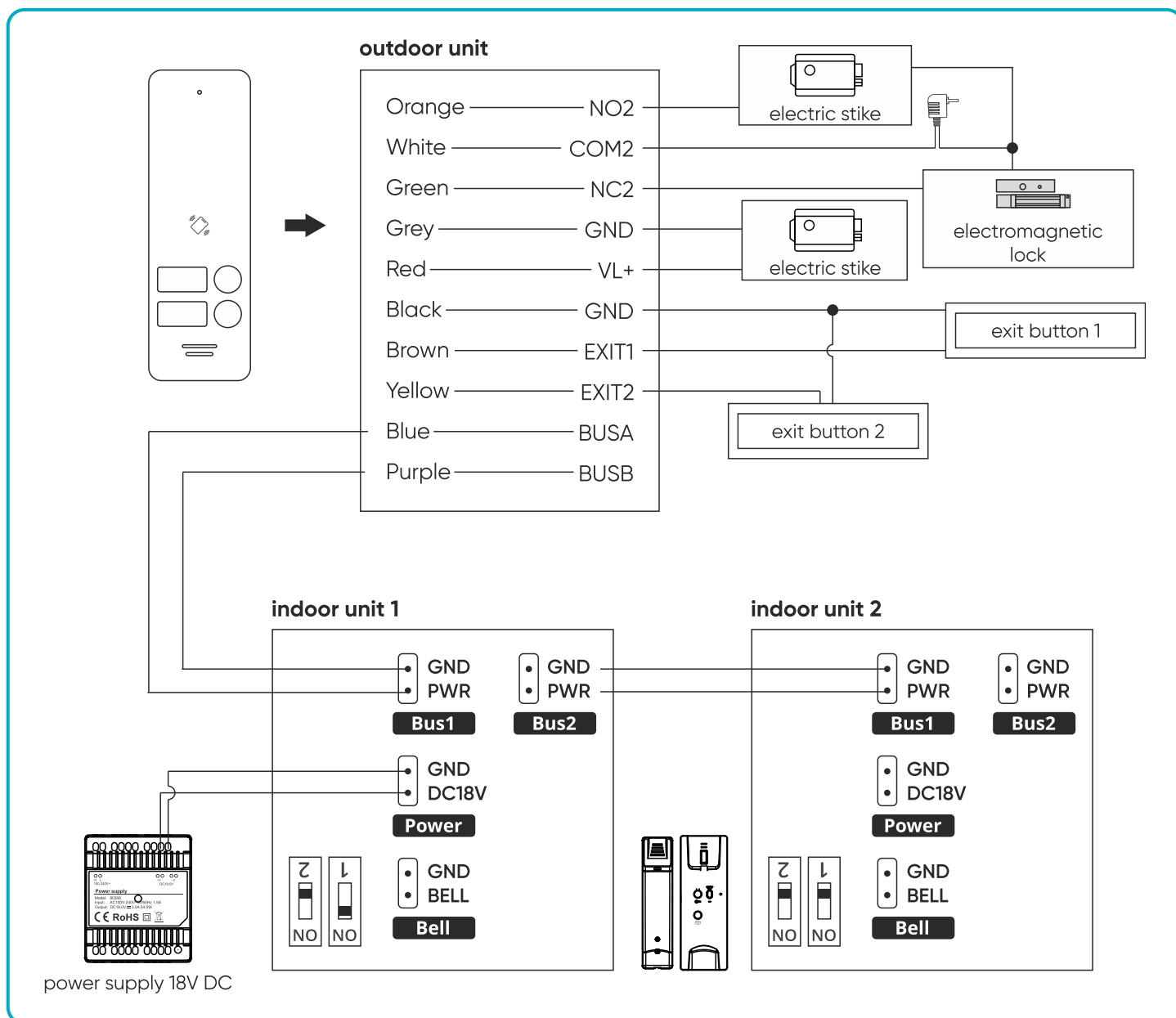


fig. 8 Wiring diagram for a two-family set (OR-DOM-BA-936).

! The set does not include connection cables and electric door strike!

Indoor unit code

Switch 1 indicates the family number: ON – family 1, OFF – family 2.

Switch 2 indicates the indoor unit type: ON – additional indoor unit, OFF – main indoor unit.

Note: the system can include a maximum of two indoor units – one main and one additional, or two main units.

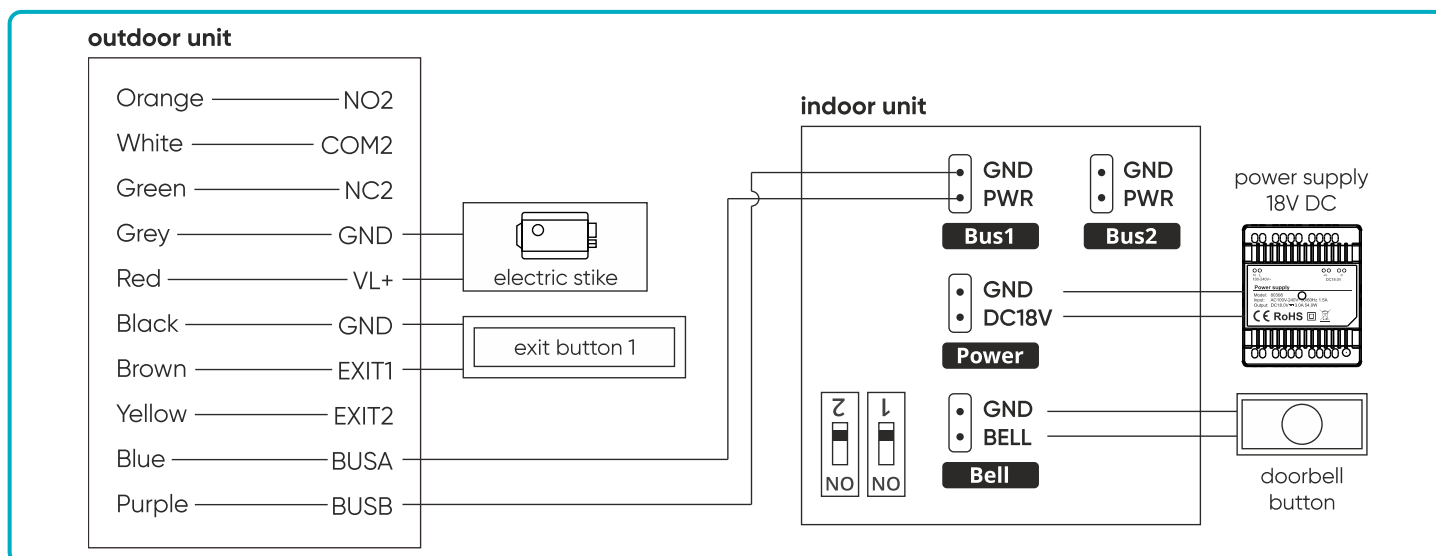


fig. 9 Wiring diagram for exit 1 (wicket).

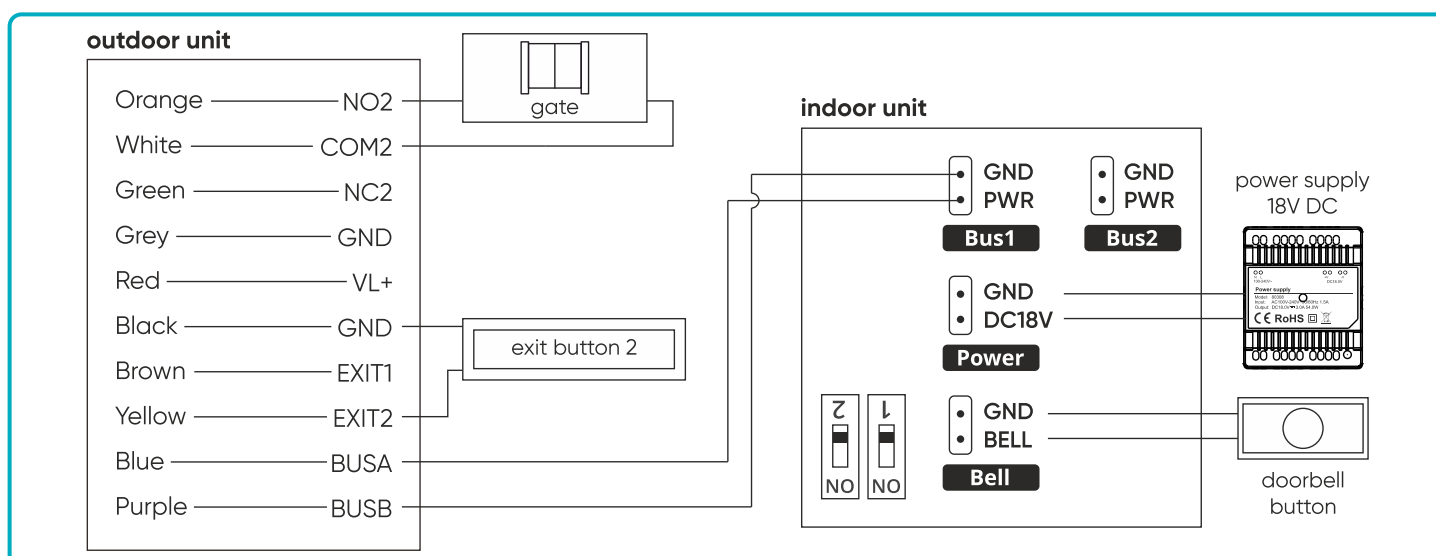


fig. 10 Wiring diagram for exit 2 (gate).

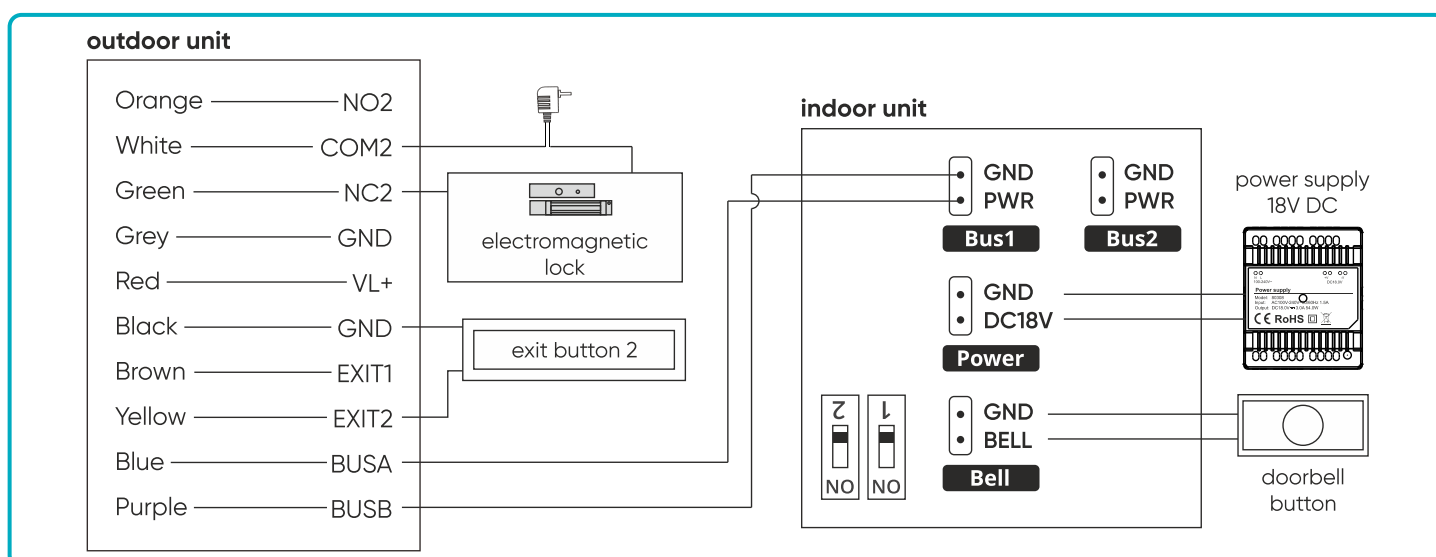


fig. 11 Wiring diagram for electromagnetic lock or reversible electric strike.



8. SET OPERATION

INDOOR UNIT OPERATION

Status indicator

1. When the power is properly connected, the LED indicator is always on in standby mode.
2. During an incoming call from the outdoor unit, the indoor unit will play the ringtone, and the LED indicator will be on.
3. When the wicket open button is pressed during a call or listen-in, the LED indicator will blink quickly 4 times and then remain on.
4. When the gate open button is pressed during a call or listen-in, the LED indicator will blink slowly 4 times and then remain on.

Wicket/gate opening functions

1. During a call or listen-in, press the wicket opening button – the LED indicator will blink quickly, and the wicket will open. The default wicket opening time is 5 seconds.
2. During a call or listen-in, press the gate opening button – the LED indicator will blink slowly, and the door will open. The gate opening time is 1 second and cannot be changed.
3. After 20 seconds from pressing any opening button, the call will be automatically disconnected.

Volume adjustment

1. The indoor unit has a 5-step volume adjustment. Each time the volume adjustment button is pressed, the volume level increases by one step, cycling through the settings.
2. To change the ringtone volume, press the volume adjustment button in the standby mode.
3. To change the call/listen-in volume, press the volume adjustment button during a call or monitoring.

Calls

1. When the call button on the outdoor unit is pressed, the nameplate, call button, and RFID reader will light up. Both the outdoor unit and the indoor unit will play the ringtone. The maximum waiting time for a connection is 30 seconds, after which the connection attempt will be automatically terminated.
2. When the handset is lifted, the call starts, and the maximum duration is 2 minutes. After the call ends, the backlight on the outdoor unit will dim.
Note: the main and additional indoor units will ring simultaneously. After the call is answered on one indoor unit, the other will automatically stop ringing and return to standby mode. If the call is answered on both indoor units at the same time, the system will connect the unit that it recognizes as the first one.
3. During the call, it is possible to open the wicket/gate and adjust the indoor unit's call volume.
4. To end the call, hang up the handset. The backlight on the outdoor unit will dim.

Listen-in

1. In standby mode, lift the handset to enter the listen-in mode.
2. In the listen-in mode, the outdoor unit's backlight will turn on.
3. In the listen-in mode, you can listen to the area around the outdoor unit through the indoor unit, while the sound from the indoor unit is not transmitted by the outdoor unit – the sound is one-way.
4. The maximum listen-in time is 60 seconds; after this time, the listen-in will be automatically stopped, and the backlight on the outdoor unit will dim.
5. During the listen-in, it is possible to open the wicket/gate and adjust the indoor unit's volume.
6. To end the listen-in, hang up the handset.



OUTDOOR UNIT OPERATION

Opening time adjustment

1. The GND/VL+ wires are for electric door strike (12V DC max. 300mA), and the default opening time is set to 5 seconds.
2. To change the opening time, press and hold the call button and, at the same time, press exit button 1 (or short-circuit the brown and black wires shortly). One press sets the opening time to 1 second, and the adjustable range is from 1 to 10 seconds. After setting the desired time, you can release the call button.
Note: each time the opening time is changed, the adjustment starts from 1 second.
3. The NC2/COM2/NO2 wires are for controlling the gate or reversible electric door strike, and the default opening time is set to 1 second, with no option to change it.

Adding master cards

1. Press the call button on the outdoor unit.
2. Answer the call on the indoor unit, press the wicket opening button, and then press the gate opening button. The RFID reader on the outdoor unit will start blinking rapidly.
3. Press and hold any call button on the outdoor unit for 3 seconds. You will hear a triple beep, and the RFID reader will begin blinking – this indicates that you have entered the master card addition mode.
Note: if you hear a quadruple beep from the outdoor unit, this indicates a failure to enter the master card addition mode. Repeat the process.
4. Then, bring four proximity cards close to the RFID reader. The first card will be the master addition card for entry 1 (wicket), the second card will be the master deletion card for entry 1 (wicket), the third card will be the master addition card for entry 2 (gate), and the fourth card will be the master deletion card for entry 2 (gate).
Note: a double beep indicates the successful addition of a master card, while a triple beep indicates a failure to add a card. Correctly adding the fourth master card will be confirmed by a single beep and will automatically exit the master card addition mode.
5. After adding the four master cards, the RFID reader on the outdoor unit will stop blinking. You can end the call by placing the handset back. The master card addition process is complete – you can now use the cards to open the entries.
Note: resetting the outdoor unit to factory settings does not affect any master cards. Master cards can only be overwritten – not removed from the device's memory. The process is the same as adding master cards.

Adding user cards

1. In standby mode, bring the addition master card close to the RFID reader three times within 10 seconds. You will hear a triple beep from the outdoor unit, and the RFID reader will start blinking – this indicates that you have entered the user card addition mode.
2. Bring the user card close to the RFID reader. A double beep indicates that the user card has been successfully added, while a triple beep indicates a failure to add the card.
Note: a card cannot be added multiple times. If you try to add the same card again, you will hear a triple beep.
3. Repeat step 2 to add more user cards.
4. After adding all user cards, bring the master addition card for the selected entry close to the RFID reader. You will hear single beep, the RFID reader will stop blinking, and the device will exit the user card addition mode. The card addition process is now complete, and user cards can be used to open the entry.
Note: to add user cards for each entry, the corresponding master addition card is required. While adding user cards, access is granted to both entries – using a user card will unlock both entries at the same time.
Note: if no action is taken within 30 seconds during the user card addition mode, the device will automatically return to standby mode.

Removing user cards

1. In standby mode, bring the deletion master card close to the RFID reader three times within 10 seconds. You will hear a triple beep from the outdoor unit, and the RFID reader will start blinking – this indicates that you have entered the user card removal mode.
2. Bring the user card close to the RFID reader. A double beep indicates that the user card has been successfully removed, while a quadruple beep indicates a failure to remove the card. If the card was already removed earlier, you will hear a triple beep.



3. Repeat step 2 to remove additional cards.
4. After removing all the user cards, bring the master removal card for the selected entry close to the RFID reader. You will hear a single beep, the RFID reader will stop blinking, and the device will exit the user card removal mode. The card removal process is now complete, and using the removed user card will no longer open the entry.

Note: to remove user cards for each entry, the corresponding master removal card is required. When removing user cards, access is only removed for one of the selected entries at a time.

Note: if no action is taken within 30 seconds during the card removal mode, the device will automatically return to standby mode.

Removing all user cards

1. In standby mode, bring the master removal card for the selected entry close to the RFID reader three times. You will hear a triple beep from the outdoor unit – this indicates that you have entered the user card removal mode.
2. Bring the master addition card close to the RFID reader. You will hear a double beep.
3. Bring the master removal card close to the RFID reader again. You will hear seven beeps, signaling the successful removal of all user cards.

Note: to remove user cards for each entry, the corresponding master removal card is required. During the user card removal process, access is only removed for one selected entry at a time.

9. CLEANING AND MAINTENANCE

Dirt should be cleaned with a soft, slightly damp cloth using mild cleaning agents designed for plastics. Do not use cleaning agents based on solvents, gasoline, etc., or products containing abrasive substances.

10. AFTER-SALES SERVICE

If, despite the care we have taken in designing and manufacturing your product, it is not working properly, please contact our technicians in the after-sales service team:

Retail Customer Advisor

Phone: +48 (32) 43 43 110 int. 109

e-mail: techniczny@orno.pl

Monday to Friday from 8:00 a.m. to 5:00 p.m.

11. SAFETY-RELATED COMMUNICATION CHANNELS

All complaints and information related to the safety of the product should be reported to the manufacturer via the website: www.orno.pl.

12. ADDITIONAL INFORMATION

In view of the fact that the technical data are subject to continuous modifications, the manufacturer reserves a right to make changes to the product characteristics and to introduce different constructional solutions without deterioration of the product parameters or functional quality. Additional information about ORNO products is available at www.orno.pl. Orno-Logistic Sp. z o.o. holds no responsibility for the results of non-compliance with the provisions of the present Manual. Orno Logistic Sp. z o.o. reserves the right to make changes to the Manual – the latest version of the Manual can be downloaded from support.orno.pl. Any translation/interpretation rights and copyright in relation to this Manual are reserved.



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