



# Operating and installation instructions

## Doorphone set Salem

OR-DOM-SL-923, OR DOM-SL-924



**CE STOP!**

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



## TABLE OF CONTENTS

<b>1. SAFETY INSTRUCTIONS</b> .....	<b>2</b>
<b>2. CHARACTERISTICS OF THE SET</b> .....	<b>3</b>
<b>3. TECHNICAL DATA</b> .....	<b>3</b>
<b>4. SET CONSTRUCTION</b> .....	<b>4</b>
<b>5. INSTALLATION</b> .....	<b>5</b>
OUTDOOR UNIT INSTALLATION .....	5
INDOOR UNIT INSTALLATION .....	5
<b>6. WIRING DIAGRAMS</b> .....	<b>6</b>
<b>7. SET OPERATION</b> .....	<b>10</b>
<b>8. CLEANING AND MAINTENANCE</b> .....	<b>10</b>

### 1. SAFETY INSTRUCTIONS

Before using the device, read this Service Manual and keep it for future use. The manufacturer is not responsible for any damage that can result from improper device installation or operation. Any repair or modification carried out by yourselves results in loss of guarantee. Installation and commissioning of the equipment by the customer are possible if the installer has basic knowledge of electrical systems and the use of proper tools. 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](http://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 [www.orno.pl](http://www.orno.pl) Any translation/ interpretation rights and copyright in relation to this Manual are reserved.

1. Disconnect the power supply before performing any activities.
2. Do not immerse the product in water or other liquids.
3. Do not operate the device with damaged housing.
4. Do not break the seals or open the device and do not repair it yourself.
5. Do not use the device contrary to its dedication.



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!

07/2024



## 2. CHARACTERISTICS OF THE SET

The doorphone set is designed for installation in 1-family buildings (OR-DOM-SL-923) or 2-family buildings (OR-DOM-SL-924).

### Functions:

- remote conversation between outdoor and indoor units;
- the doorphone uses a new BUS communication protocol;
- 2-wire installation;
- direct control of the electric door strike;
- additional gate control;
- no additional power supply for the electric strike;
- smooth adjustment of ringtone volume to complete silence;
- DIN rail power supply - one for the whole set;
- intercom function after using additional inner unit.

### Additional information:

- external panel for surface mounting (rain shield included);
- magnetic handset;
- backlit nameplate.

## 3. TECHNICAL DATA

TYPE OF THE DEVICE:	single-family (OR-DOM-SL-923) two-family (OR-DOM-SL-924)
INSTALLATION METHOD:	2-wire
COMMUNICATION SYSTEM:	wired

### INDOOR UNIT

FUNCTIONS:	conversation, door and gate control, intercom
NUMBER OF MELODIES:	1
VOLUME CONTROL:	yes
POWER SUPPLY:	18V DC, 500mA
POWER CONSUMPTION:	standby <8mA; work <18mA
ELECTRICAL STRIKE CONTROL:	yes
GATE CONTROL:	yes
WORKING TEMPERATURE:	-10°C ~ +45°C
INSTALLATION:	surface-mounted
MATERIAL:	plastic
DIMENSIONS:	105 x 210 x 26mm
NET WEIGHT:	0.31kg

### OUTDOOR UNIT

INGRESS PROTECTION:	IP54
POWER SUPPLY:	18V DC from indoor unit
POWER CONSUMPTION:	standby <40mA; work <48mA (OR-DOM-SL-923) standby <50mA; work <59mA (OR-DOM-SL-924)
WORKING TEMPERATURE:	-25°C ~ +45°C
INSTALLATION:	surface-mounted
MATERIAL:	aluminum
DIMENSIONS:	90 x 135 x 30mm
NET WEIGHT:	0.2kg (OR-DOM-SL-923) 0.3kg (OR-DOM-SL-924)



## 4. SET CONSTRUCTION

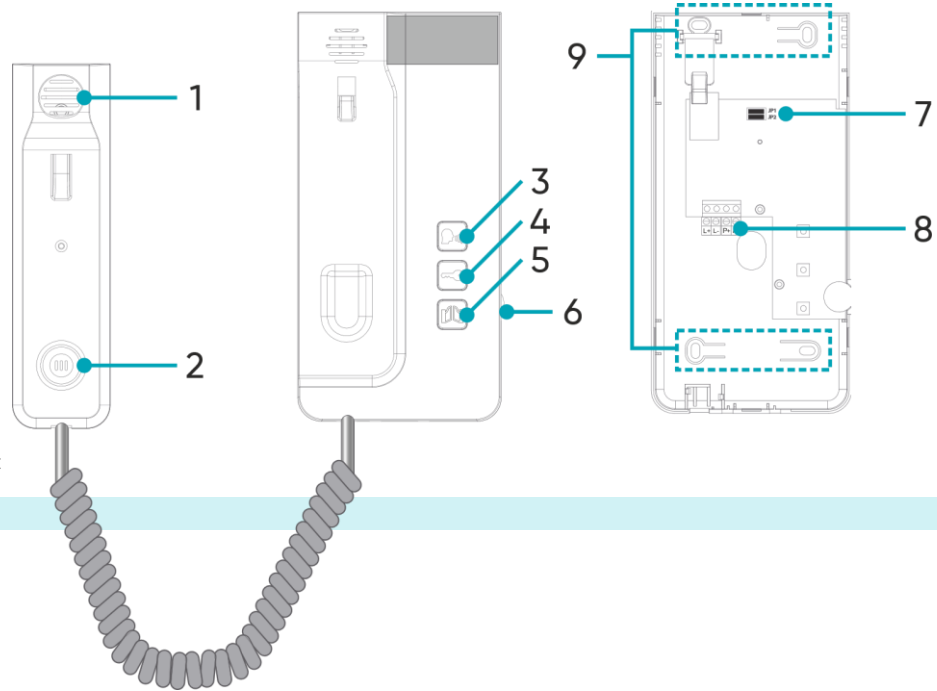


fig. 1 Construction of the indoor unit

### INDOOR UNIT

1. Loudspeaker
2. Microphone
3. Intercom button
4. Wicket opening
5. Gate opening
6. Volume adjustment
7. JP1, JP2 jumpers
8. Wiring and power supply terminals
9. Mounting holes

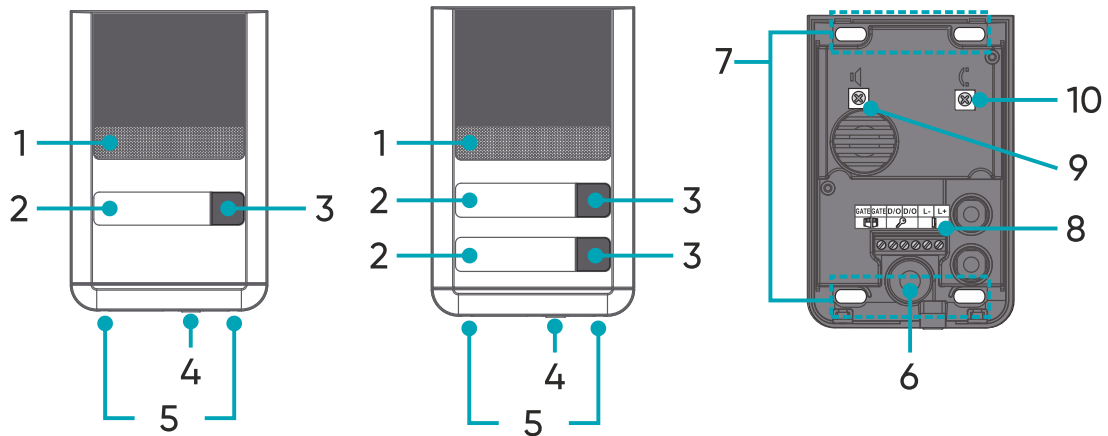


fig. 2 Construction of the outdoor unit

### OUTDOOR UNIT

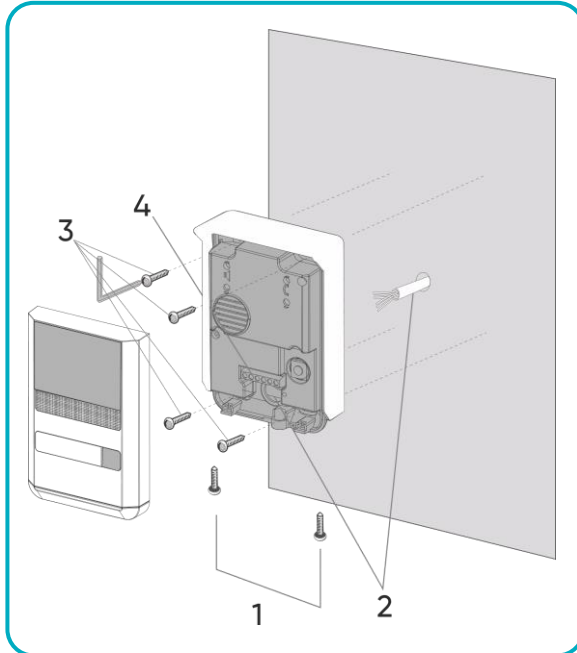
1. Loudspeaker
2. Backlit nameplate
3. Call button
4. Microphone
5. Mounting screws
6. Wiring hole
7. Mounting holes
8. Wiring terminals
9. Volume adjustment (outdoor unit)
10. Volume adjustment (indoor unit)



## 5. 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.

### OUTDOOR UNIT INSTALLATION

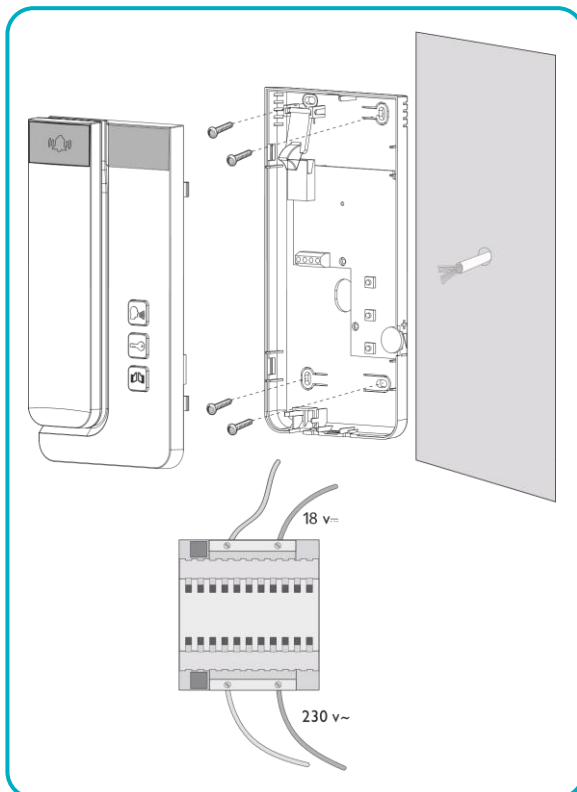


The outdoor unit is designed for surface mounting.

1. Unscrew the screws located at the bottom of the unit.
2. Separate the front plate from the back.
3. Mark the locations for 4 mounting holes on the wall at the chosen spot to mount the outdoor unit.
4. Pass the wires through the wiring hole in the device.
5. Connect the wires according to the wiring diagram.
6. To adjust the volume level of the outdoor unit's speaker, use a small screwdriver and gently turn the left potentiometer.
7. To adjust the volume level of the indoor unit's speaker, use a small screwdriver and gently turn the right potentiometer.
8. Attach the front plate, then secure it with 2 screws at the bottom of the unit's housing.

fig. 3 Outdoor unit installation

### INDOOR UNIT INSTALLATION



1. Separate the front part of the indoor unit from the back. The housing has 7 clips; to open it, use a flat screwdriver to gently pry at the bottom of the housing and slide to the side. Do not pull the housing to avoid breaking the clips.
2. Secure the back part of the indoor unit to the wall using 4 screws.
3. Connect the wires according to the wiring diagram.
4. Connect the power supply.
5. Carefully attach the front part of the indoor unit to the back.

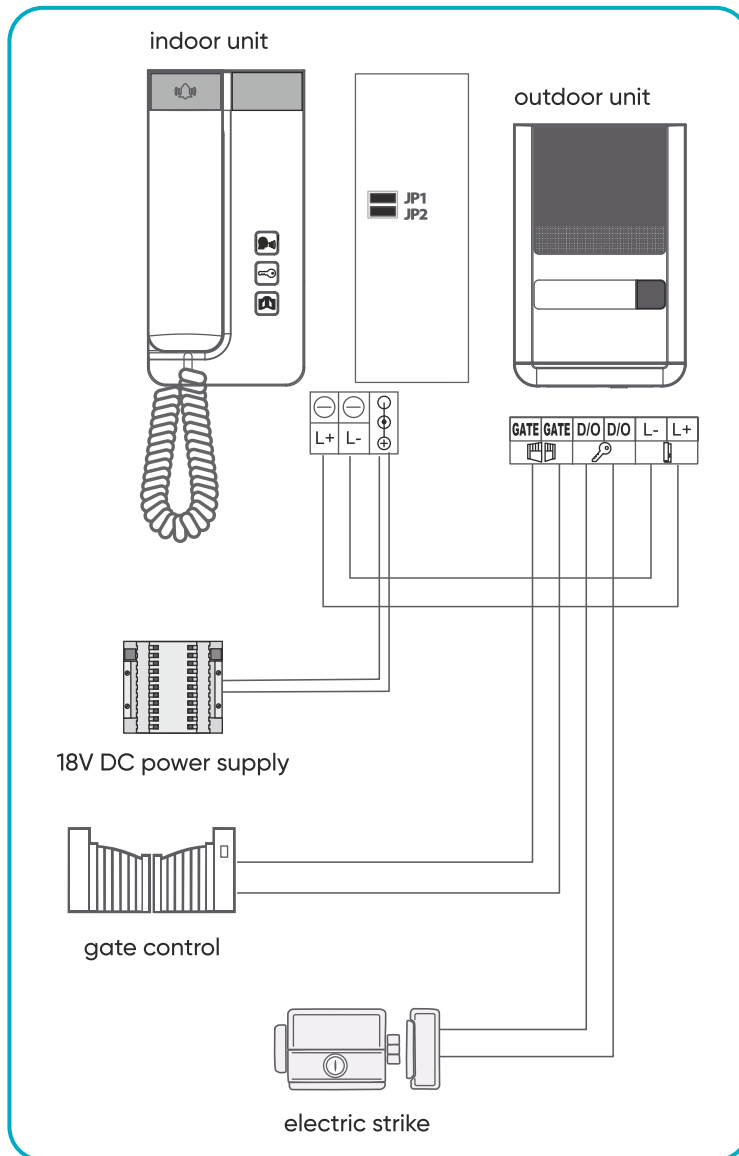
fig. 4 Indoor unit installation



## 6. 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.



### Connecting the indoor unit to the outdoor unit

Connect the L+ and L- terminals of the indoor unit to the L+ and L- terminals on the outdoor unit.

### Connecting the electric strike and gate

Connect the electric strike (recommended 12VDC 500mA) to the D/O and D/O terminals on the outdoor unit. Gate automation is controlled by shorting the relay's potential-free contact terminals GATE and GATE on the outdoor unit.

### Connecting the power supply

Connect the power supply to the socket on the indoor unit.

fig. 5 Connection diagram for a single indoor unit with an outdoor unit, electric strike, and gate control system (applicable to the OR-DOM-SL-923 set)

The set does not include an additional indoor unit, electric door strike, and automatic gate control!

To connect the outdoor unit to the indoor unit, use 2 wires that handle the functions of calling, communication, and opening. When designing the electrical installation, consider the appropriate wire cross-section:

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

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

The total length of the installation must not exceed 100 meters.

The connection to the electromagnetic lock should be made with 2 x 1mm<sup>2</sup> cable.

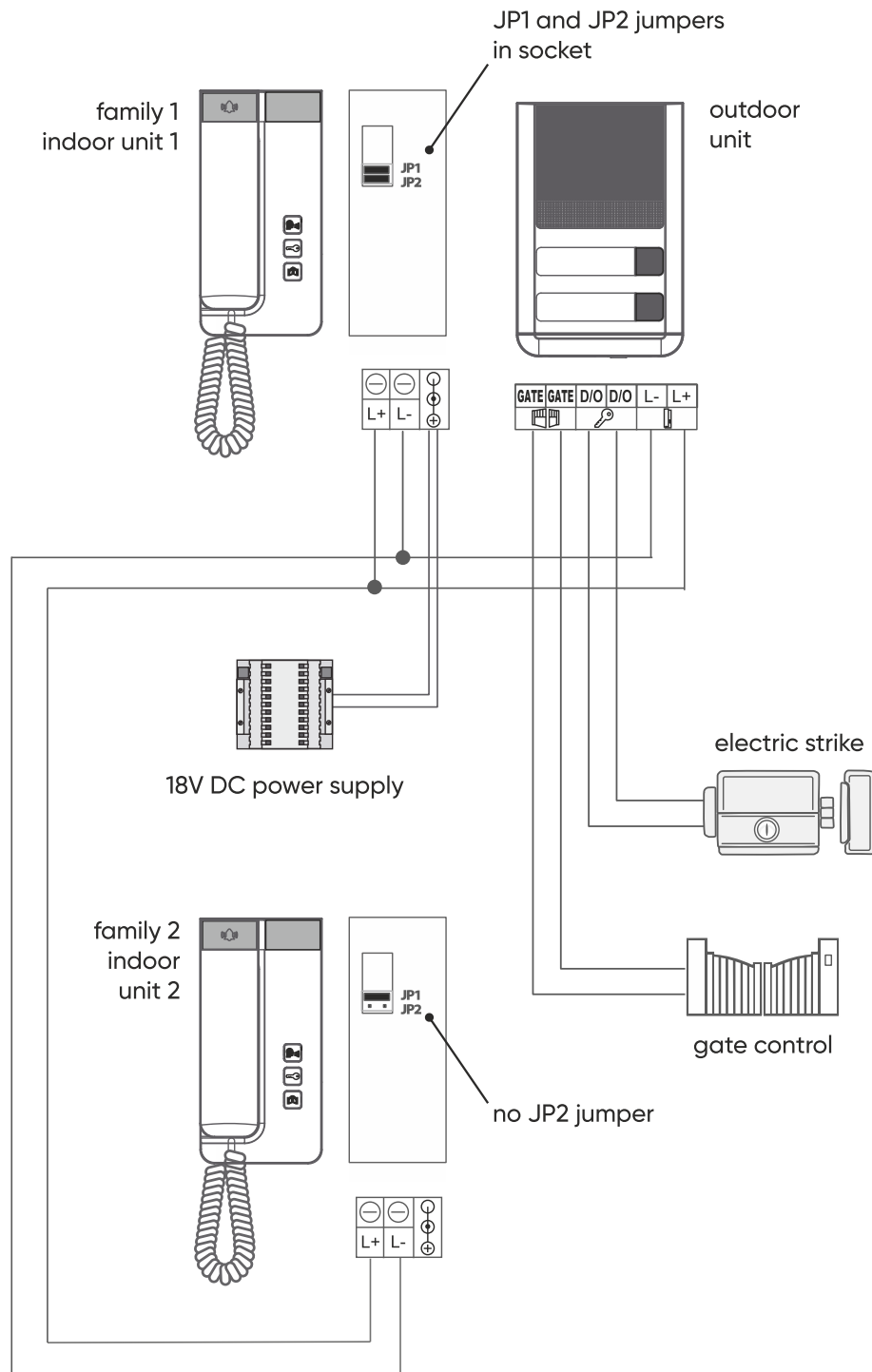


fig. 6 Connection diagram for two indoor units with an outdoor unit, electric strike, and gate control system (applicable to the OR-DOM-SL-924 set)

The set does not include an additional indoor unit, electric door strike, and automatic gate control!



The single-family set can be expanded with up to 3 additional indoor units - OR-DOM-SG-923UD. When expanding the set with additional indoor units, no additional power supplies are needed. One power supply is sufficient for the entire system, but it must be installed closest to the first indoor unit.

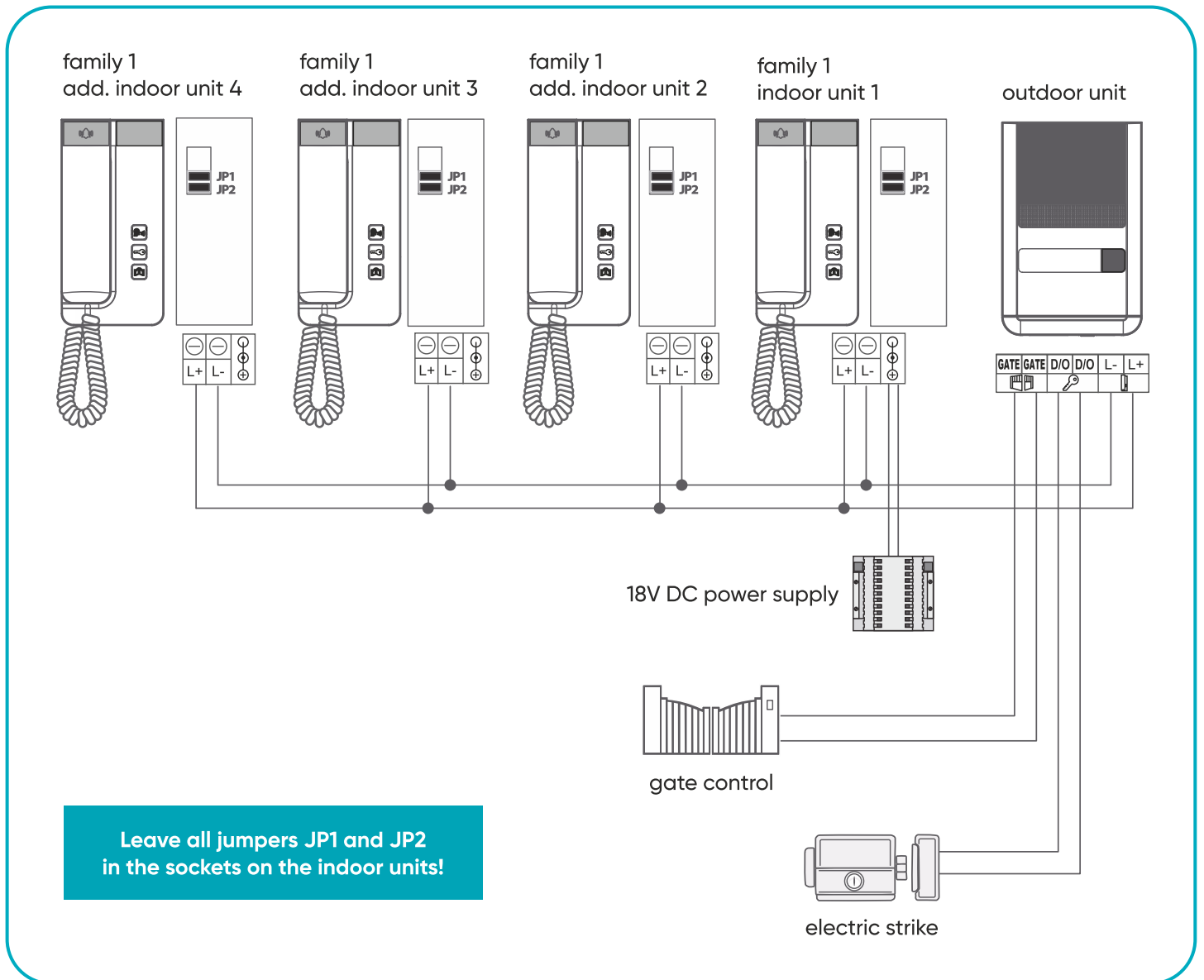


fig. 7 Connection diagram for additional indoor units with an outdoor unit, electric strike, and gate control system (applicable to the OR-DOM-SL-923 set)

! The set does not include an additional indoor unit, electric door strike, and automatic gate control!





The two-family set can be expanded with up to 3 additional indoor units – OR-DOM-SG-923UD. The intercom function is available only within a single family. When expanding the set with additional indoor units, no additional power supplies are needed. One power supply is sufficient for the entire system, but it must be installed closest to the first indoor unit.

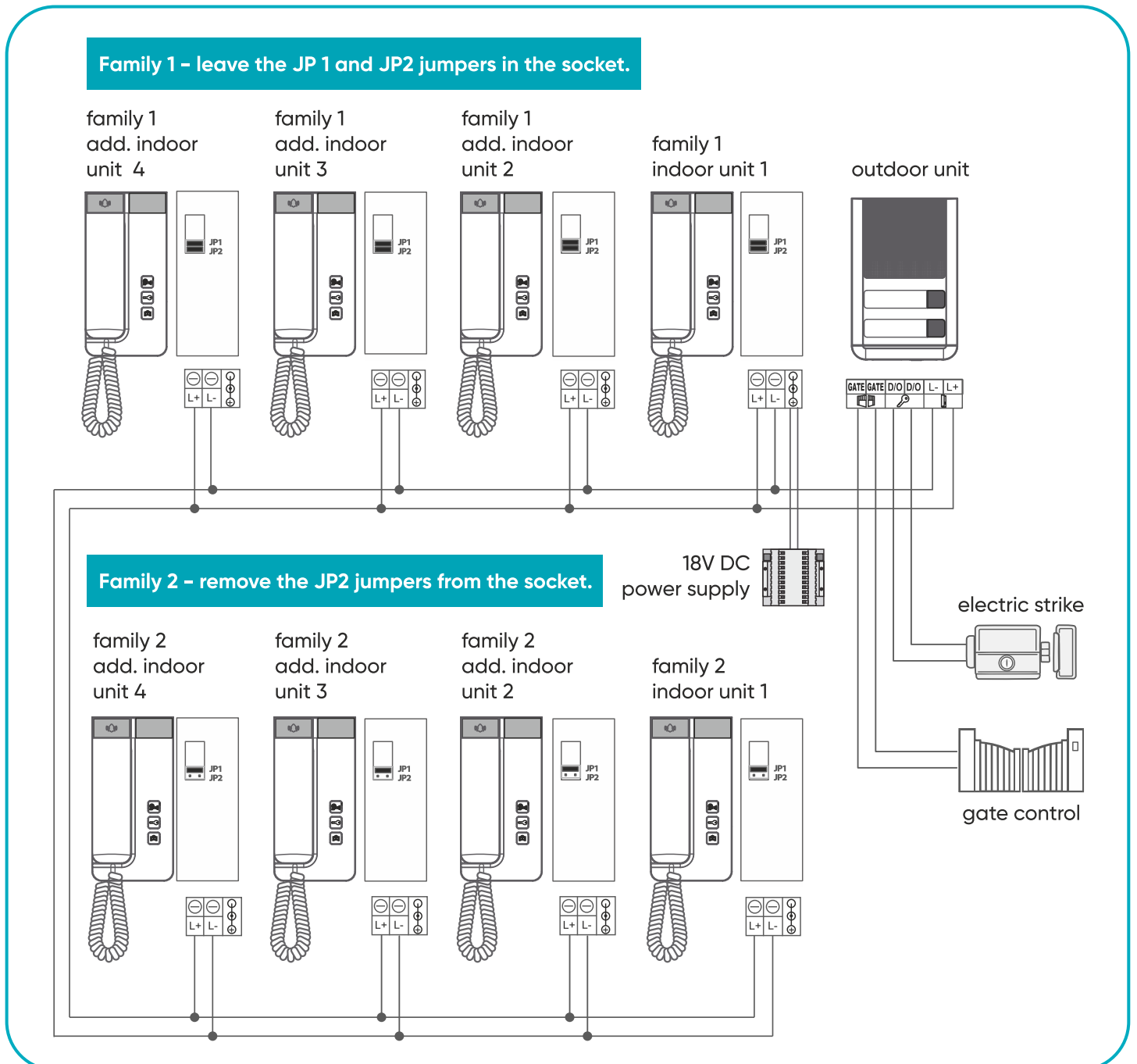





fig. 8 Connection diagram for additional indoor units with an outdoor unit, electric strike, and gate control system (applicable to the OR-DOM-SL-924 set)

! The set does not include an additional indoor unit, electric door strike, and automatic gate control!



## 7. SET OPERATION

1. Pressing the call button on the outdoor unit is signalled by a ringtone sound on the indoor unit.
2. After picking up the handset, you can have a conversation with the visitor for up to 90 seconds.
3. To remotely open the wicket, briefly press the  button on the indoor unit.
4. To remotely open the gate, briefly press the  button on the indoor unit.
5. To start an intercom call (function available when an additional intercom unit is connected), use the  button on the handset.
6. Communication from the outdoor unit is disabled while using the intercom function. An incoming call from the outdoor unit will interrupt the intercom call.
7. Ringtone time: 30 seconds, conversation time: 90 seconds, intercom call time: 30 seconds.

## 8. 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



**ORNO-LOGISTIC Sp. z o.o.**  
ul. Rolników 437, 44-141 Gliwice, Poland  
tel. (+48) 32 43 43 110, [www.orno.pl](http://www.orno.pl)  
NIP: 6351831853, REGON: 243244254