

Virone DP-16

Virone CARLO Wired Intercom System User Manual

Model: DP-16

Brand: Virone

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Virone CARLO Wired Intercom System, Model DP-16. This classic 2-wire intercom kit is designed for single-family homes and can be connected to a standard doorbell system. It features a flush-mounted outdoor panel with a canopy and a backlit nameplate, along with a two-level ringtone volume adjustment. The electric door opener function does not require an additional power supply.

PACKAGE CONTENTS

- 1x Indoor Intercom Unit (Uniphone)
- 1x Outdoor Panel
- Mounting accessories
- User Manual

Note: The electric strike is not included in the package and must be purchased separately.

INSTALLATION AND WIRING

Before beginning installation, ensure the main power supply is disconnected to prevent electrical shock. This system operates on a 2-wire connection for communication and door release, with a separate 230V AC power supply for the indoor unit.

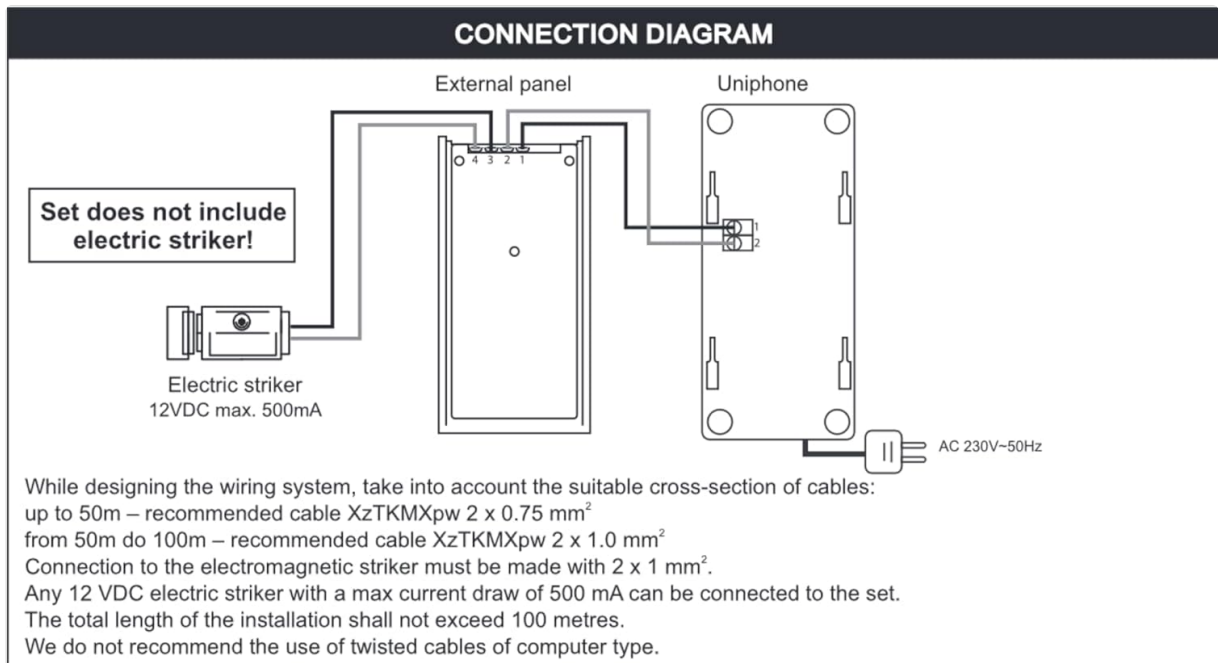


Figure 1: Connection Diagram. This diagram illustrates the wiring between the external panel, the uniphone (indoor unit), and an optional electric strike. Note that the electric strike is not included.

Wiring Recommendations:

- For distances up to 50m, use a recommended cable type XzTKMxw 2 x 0.75 mm².
- For distances from 50m to 100m, use a recommended cable type XzTKMxw 2 x 1.0 mm².
- Connection to the electromagnetic strike must be made with 2 x 1 mm² cable.
- Any 12 VDC electric strike with a maximum current draw of 500 mA can be connected to the set.
- The total length of the installation shall not exceed 100 meters.
- Do not use twisted cables of computer type (e.g., Ethernet cables).

Component Overview:



Figure 2: Outdoor Panel. This unit is designed for flush mounting and includes a call button and a backlit nameplate area.



Figure 3: Indoor Intercom Unit (Uniphone). This unit features the handset for communication and a button for door release.



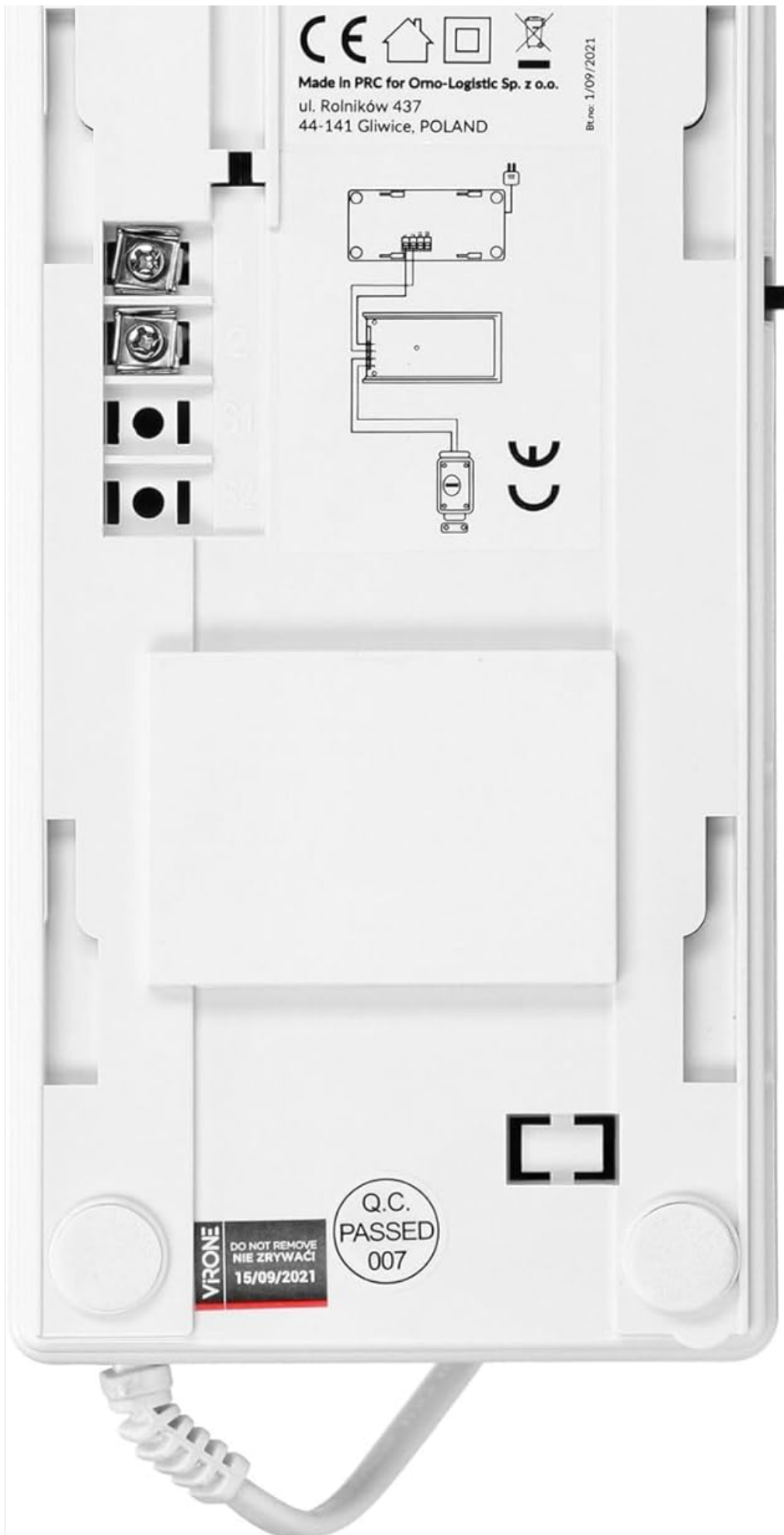


Figure 4: Back of Indoor Unit. This view shows the wiring terminals for connecting to the outdoor panel and the 230V AC power input.

Installation Steps:

1. **Mount the Outdoor Panel:** Install the outdoor panel in a suitable location near your entrance. Ensure it is protected from direct heavy rain and is at an accessible height. The panel is designed for flush mounting.
2. **Mount the Indoor Unit:** Install the indoor unit (uniphone) inside your home at a convenient location.
3. **Wire the System:**
 - Connect the 2-wire communication cable between the outdoor panel and the indoor unit according to the connection diagram (Figure 1).
 - If using an electric strike, connect it to the outdoor panel as shown in Figure 1, ensuring correct polarity and cable type.
 - Connect the indoor unit to a 230V AC power source. The unit is powered directly from the mains.
4. **Test the System:** Once all connections are secure, restore power and test the intercom functionality, including communication and door release.

OPERATING INSTRUCTIONS

Receiving a Call:

- When a visitor presses the call button on the outdoor panel, the indoor unit will ring.
- Lift the handset of the indoor unit to establish two-way communication with the visitor.

Opening the Door:

- During a call, press the door release button on the indoor unit to activate the electric strike and open the door.
- The electric strike is controlled directly by the intercom system and does not require an additional transformer.

Ringtone Volume Adjustment:

The indoor unit features a two-level ringtone volume adjustment. Refer to the indoor unit for the specific control (usually a switch or knob) to set your preferred volume level.

Backlit Nameplate:

The outdoor panel includes a backlit nameplate area for improved visibility in low-light conditions. Ensure your name or house number is clearly displayed.

MAINTENANCE

- **Cleaning:** Clean the indoor and outdoor units with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the surfaces.
- **Environmental Conditions:** Ensure the outdoor panel remains free from excessive dirt, dust, or debris that could obstruct the microphone, speaker, or call button.
- **Wiring Inspection:** Periodically check the wiring connections for any signs of wear or damage. If any damage is observed, disconnect power and consult a qualified electrician for repair.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to indoor unit.	Power cable disconnected; circuit breaker tripped; faulty power outlet.	Check if the power cable is securely plugged in. Verify the circuit breaker. Test the outlet with another device.
No sound or poor sound quality during communication.	Incorrect wiring; damaged cable; microphone/speaker obstruction; volume too low.	Review the wiring diagram and ensure all connections are correct and secure. Check for any physical obstructions on the microphone or speaker. Adjust the ringtone volume.
Door release button does not open the door.	Electric strike not connected; faulty electric strike; incorrect wiring to electric strike; insufficient power to strike.	Ensure the electric strike is properly connected and functional. Verify the wiring to the electric strike according to the diagram. Check the electric strike's power requirements (12VDC, max 500mA).
Outdoor panel call button unresponsive.	Damaged button; wiring issue.	Inspect the button for physical damage. Check the wiring from the outdoor panel to the indoor unit.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

TECHNICAL SPECIFICATIONS

Model Number	DP-16
Manufacturer	Virone
Product Dimensions (L x W x H)	14 x 21.2 x 4 cm
Weight	1.265 kg
Power Type	Mains Powered (230V AC)
Number of Wires	2 + 2 (2 for communication, 2 for power)
Electric Strike Power Supply	From outdoor panel (12VDC, max 500mA)
Transmission Type	Wired
Extension Capability	No additional external panels or uniphones

WARRANTY INFORMATION

Specific warranty details for the Virone CARLO Intercom System are typically provided at the point of purchase or can be found on the manufacturer's official website. Please retain your proof of purchase for warranty claims. The standard return policy allows for refund/replacement within 30 days of purchase.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the manufacturer, Virone. Refer to the product packaging or the manufacturer's website for

contact information.