

ViRONE

Operating and installation instructions

Video doorphone set ANGU

VDP-72



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. SAFETY INSTRUCTIONS

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. The installation of the device should be performed by an experienced person with the appropriate qualifications.
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. Do not install the monitor in a place exposed to high moisture, vibration, shock and strong sunlight.
13. Turn off the power if there is a concerning sound coming from the device.
14. Remove the protective film from the monitor screen after installation and mounting.
15. 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!

06/2025

Applied markings

1.	2.	3.
		
4.	5.	6.
		

1. Product compliant with EU directives.
2. Manufacturer.
3. Disposal of used electrical equipment.
4. Additional documentation and/or user manual.
5. Keep tidy.
6. Recycling code (corrugated fiberboard (cardboard)).

2. CHARACTERISTICS OF THE SET

The ANGU video doorphone set is a modern and functional solution for single-family homes that increases property security. It consists of an indoor monitor with a 7-inch color screen and intuitive operation, and an outdoor unit with a wide-angle camera, RFID card and tag reader, and IR night lighting. The system uses a simple 4-wire connection, which makes installation easier and reduces the number of cables. Gate and wicket control is possible without the need to supply additional power to the electric strike. The system can be expanded by adding a CCTV camera. The user can choose from 12 melodies and adjust the volume, including completely muting it. The outdoor unit, with a high IP65 protection rating, performs excellently even in harsh weather conditions, ensuring reliable operation all year round.

Included: monitor, power supply, monitor mounting frame, outdoor unit, outdoor unit mounting frame, rainshield for the outdoor unit, screws, wall plugs, 4-pin power cable (2 pcs), 2-pin power cable (1 pc), RFID tag 13.56MHz (2 pcs).

3. INTENDED USE

The video doorphone is designed for installation in single-family buildings. The outdoor unit is suitable for surface-mounted, outdoor installation, while the monitor is intended for surface-mounting indoors. The set enables remote communication, access control, and the operation of an electric door strike and gate, making it an ideal solution for single-family homes, and other facilities requiring effective access control.

4. TECHNICAL DATA

TYPE OF THE DEVICE:	single-family
INSTALLATION METHOD:	4-wire
COMMUNICATION SYSTEM:	wired

MONITOR

SCREEN SIZE:	7"
RESOLUTION:	800x480
STANDARD:	PAL
FUNCTIONS:	call, monitoring, door and gate control, adjustment of image and volume parameters, mute mode
NUMBER OF MELODIES:	12
VOLUME CONTROL:	yes
CALL TIME:	60s
MONITORING TIME:	40s
POWER SUPPLY:	15V DC 2A
POWER CONSUMPTION:	standby <40mA; work <550mA
ELECTRICAL STRIKE CONTROL:	yes (12V DC max. 350mA – powered from monitor)
GATE CONTROL:	yes (dry contact)
WORKING TEMPERATURE:	0°C – +50°C
INSTALLATION:	surface-mounted
MATERIAL:	plastic
DIMENSIONS:	185 x 127 x 24mm
NET WEIGHT:	0.33kg

OUTDOOR UNIT

SENSOR TYPE:	CMOS 1/3"
RESOLUTION:	800TVL
VIEWING ANGLE (VERTICAL/HORIZONTAL):	65°/ 92°
NIGHT LIGHTING:	IR diodes
NUMBER OF DIODES:	6
NIGHT VISION RANGE:	approx. 1m
RFID READER:	13.553–13.567 kHz RFID-tags/cards (max. 200 users)
INGRESS PROTECTION:	IP65
POWER SUPPLY:	15V DC from monitor
POWER CONSUMPTION:	standby <15mA, work ≤100mA
WORKING TEMPERATURE:	-40°C – +50°C
INSTALLATION:	surface-mounted
MATERIAL:	aluminium
DIMENSIONS:	54 x 139 x 33mm
NET WEIGHT:	0.239kg

5. SET CONSTRUCTION

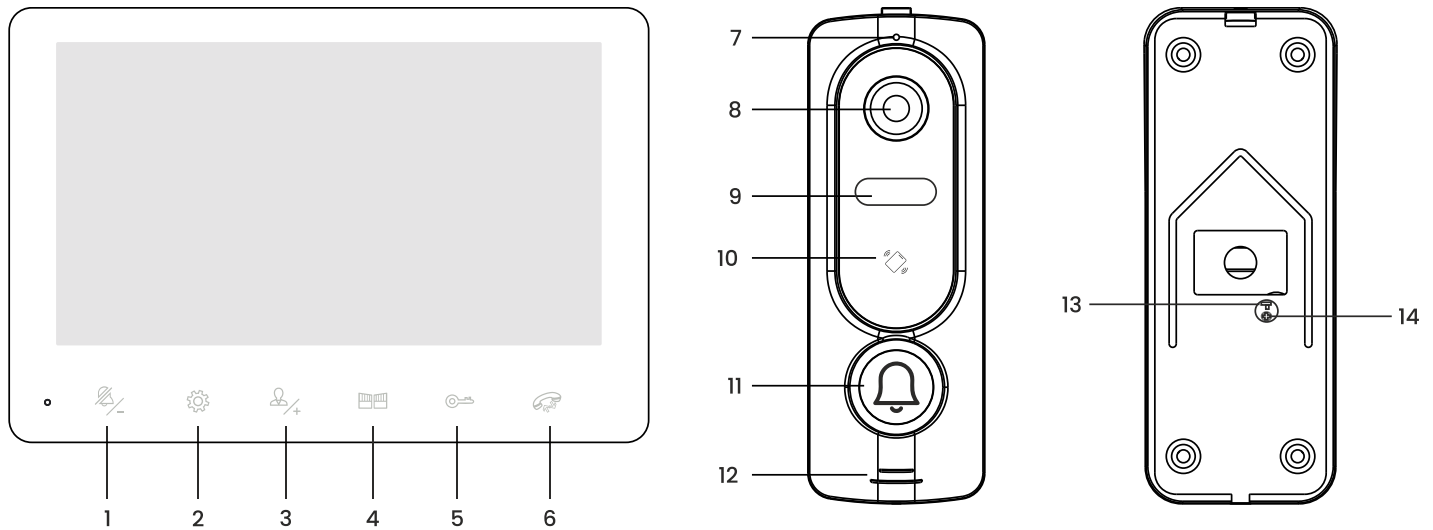


fig. 1 Construction of the monitor and outdoor unit.

MONITOR

1. *Do Not Disturb* function / scroll down
2. Settings
3. View from outdoor unit/CCTV camera / scroll up
4. Open gate
5. Open wicket
6. Answer/end call / exit menu (long press)

OUTDOOR UNIT

7. Microphone
8. Camera lens
9. Night-time lighting
10. RFID reader
11. Call button
12. Loudspeaker
13. Camera operation switch
14. Volume adjustment

6. INSTALLATION

MONITOR INSTALLATION

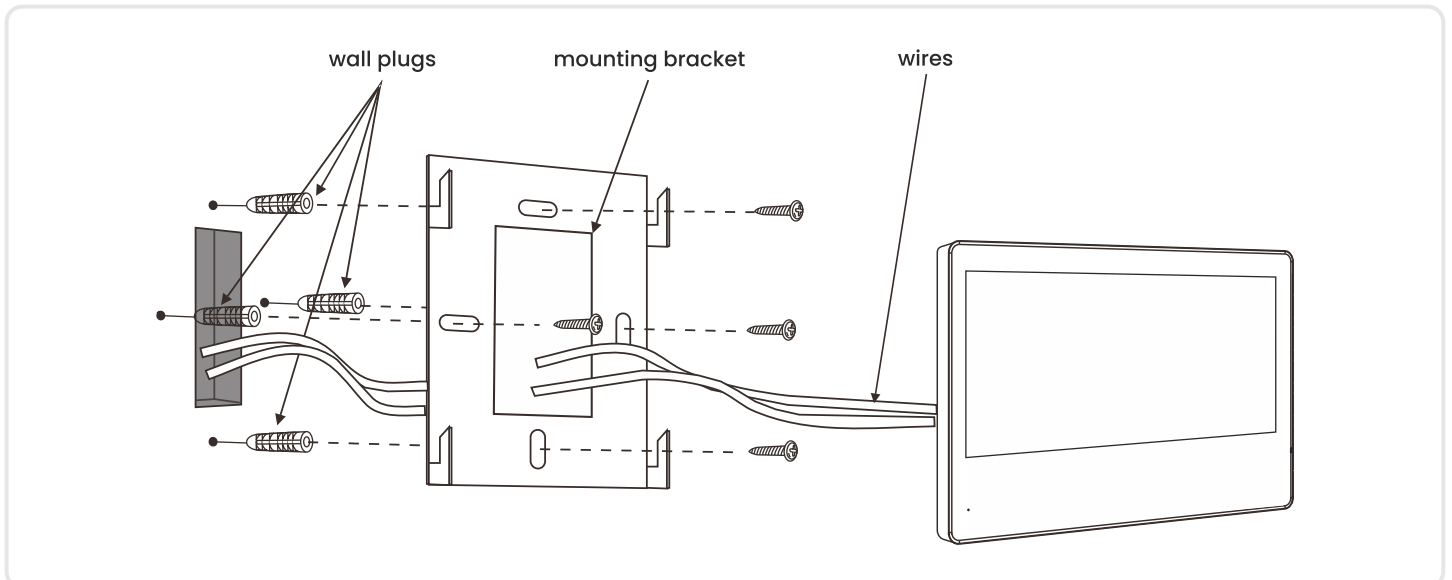


fig. 2 Monitor installation

1. Drill holes in the wall and insert wall plugs into them.
2. Screw the monitor mounting bracket to the wall with screws.
3. Connect the wires to the monitor and hang it on the mounting bracket.
4. Connect the power supply to the 230V AC outlet.

The device should not be installed in the vicinity of other equipment that may be a source of strong radiation (TV, DVR, etc.).

OUTDOOR UNIT INSTALLATION

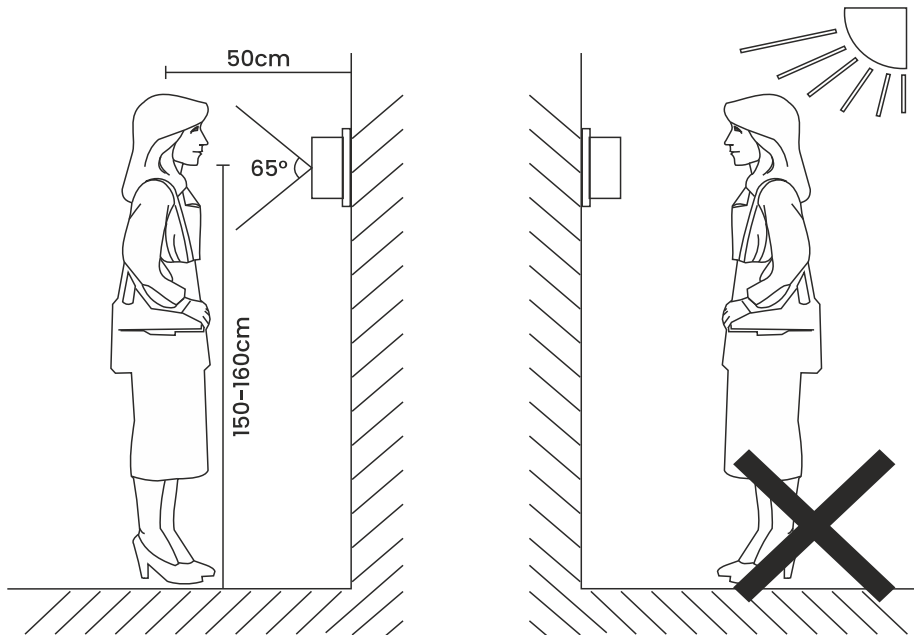


fig. 3 Outdoor unit placement

Do not install the device close to sources of strong radiation, e.g. hoists and other drive systems powered by alternating current.

- Installation should be carried out by a qualified technician only.
- Do not install the outdoor unit in a location with harsh weather conditions, e.g.: heavy rainfall, high temperature, high humidity, high dust, presence of corrosive chemicals.
- The device should be mounted in a location and position that provides an optimal field of view.

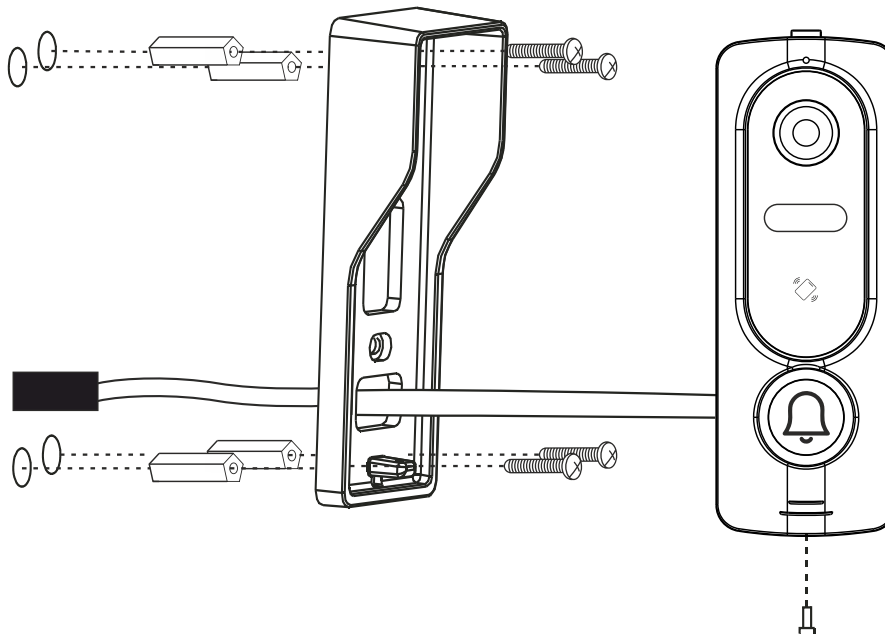


fig. 4 Outdoor unit installation

1. Drill holes in the wall and insert the wall plugs. Pull through the wires and screw the rainshield into place using screws.
2. Connect the wires according to the wiring diagram and place the outdoor unit in the rainshield.
3. Secure the outdoor unit by screwing in security screw from below.

7. WIRING DIAGRAMS

The electric strike/alarm/camera is not included in the set. You must purchase an electric strike that best suits the requirements of the set (12VDC max. 350mA). In the standard model, the system works with strikers that open with a NO contact. This means that in normal operation, the dry contact is open, so the striker is permanently closed. When the entry button is pressed and there is a change on the dry contact, the striker is released.

The video doorphone cables should not be routed in one cable with the cables of other installations such as bell, alarm, etc. Any power and telecommunication cables emitting strong magnetic fields (e.g. loudspeaker columns, TV set) in direct contact with the cables connecting the outdoor unit to the monitor may adversely affect the operation of the set. If the user has other connection cables than the recommended ones, it is allowed to use them, however, it is necessary to make a test connection of the set in order to check its correct functioning.

When designing the electrical installation, take into account the appropriate cable cross-section:

Installation $\leq 20\text{m}$: recommended wire with conductor diameter $4 \times 0.3\text{mm}^2$ or larger.

Installation $\leq 50\text{m}$: recommended wire with conductor diameter $4 \times 0.5\text{mm}^2$ or larger.

Installation $\leq 80\text{m}$: recommended wire with conductor diameter $4 \times 0.75\text{mm}^2$ or larger.

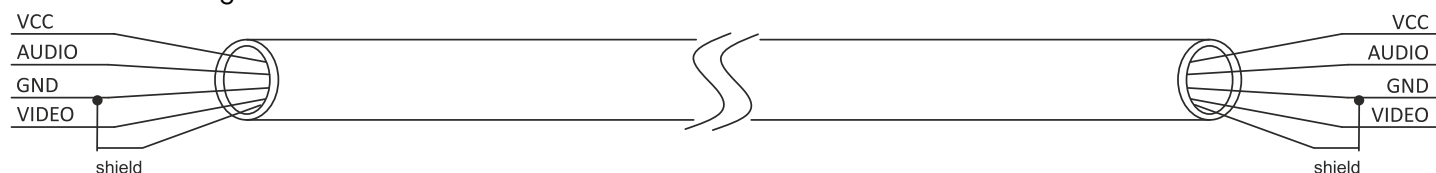
The connection to the electromagnetic lock should be made with $2 \times 1\text{mm}^2$ cable. The set is compatible with any electric door strike with 12V DC supply voltage and current consumption of max. 350 mA. The total length of the installation must not exceed 100 meters. We absolutely do not recommend the use of twisted-pair cables.

The type of cable and its connection is shown below. Correct operation of the unit largely depends on the type of cable used. While designing the wiring system, take into account the suitable cross-section of cables:

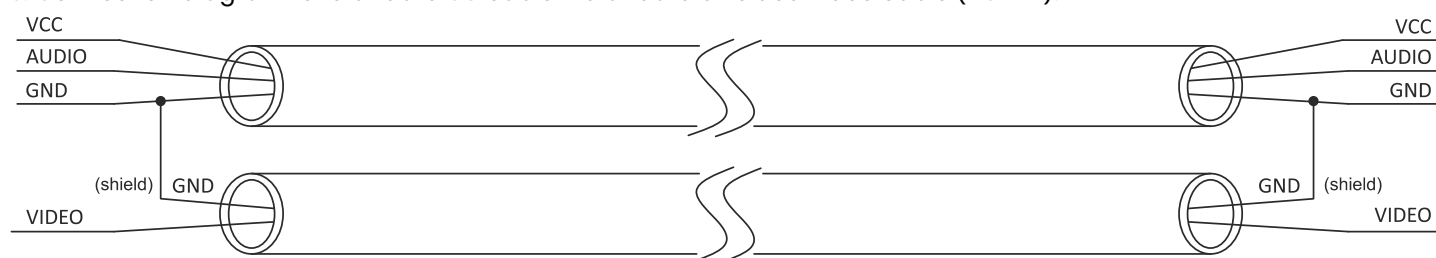
1. Connection diagram for standard 4C unshielded cable:



2. Connection diagram for standard 4C shielded cable:



3. Connection diagram for standard 3C cable + standard shielded video cable (RG-59):



Before drilling the installation holes, it is recommended to carry out a functional test of the device. To do this, connect the device for a test according to the wiring diagram. The first person holding the camera should use the button to call the second person who is at the monitor. This person should then carefully inspect the camera's field of view in order to correct the module's position if necessary. Once the measurements have been taken accurately, proceed with the mounting holes after switching off the power supply.

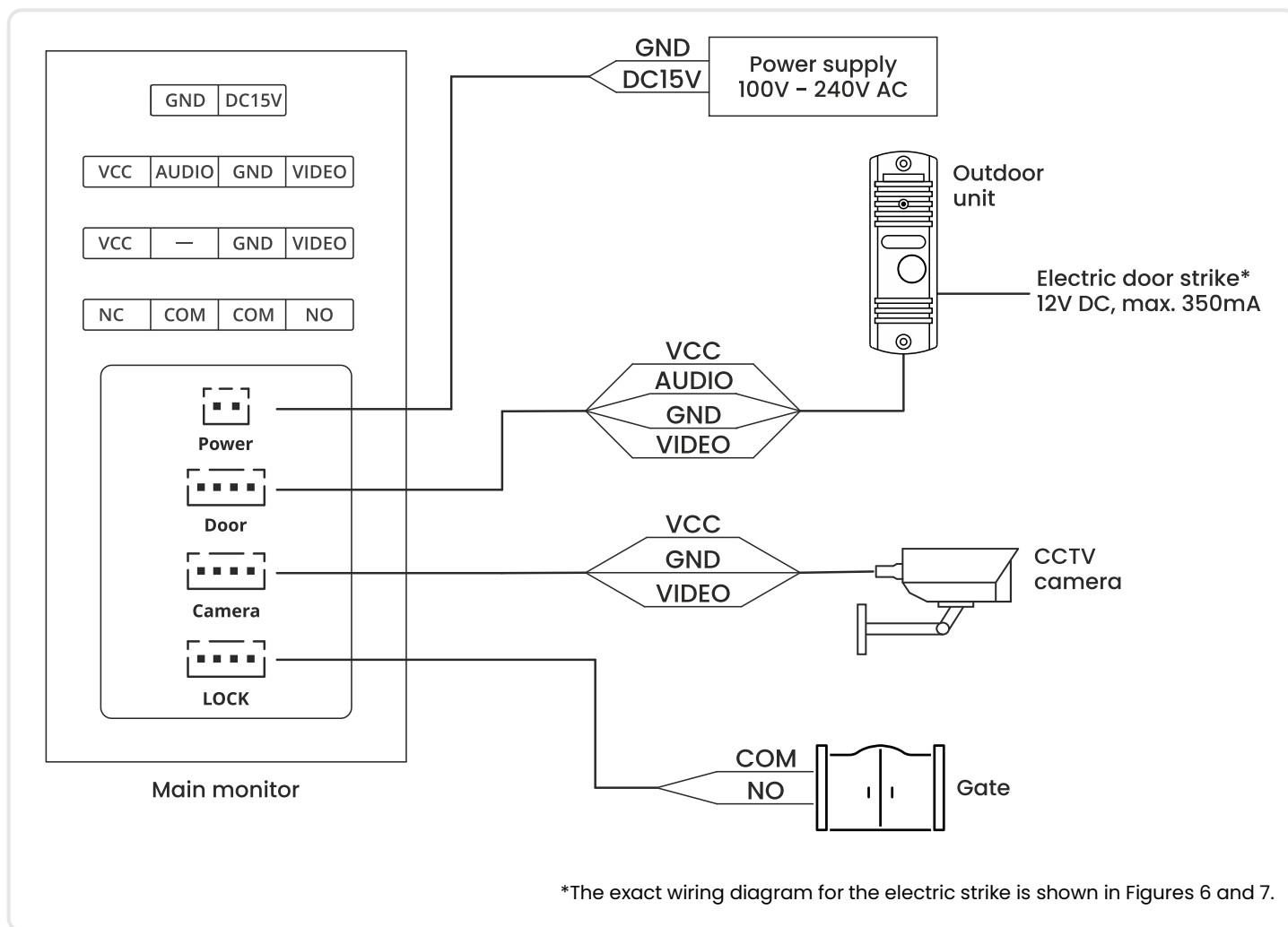


fig. 5 Wiring diagram

! It is forbidden to make connections to live equipment! Failure to adhere to this recommendation may result in permanent damage to the device and loss of health. The set does not include an electric door strike, cameras, exit button, and automatic gate control unit!

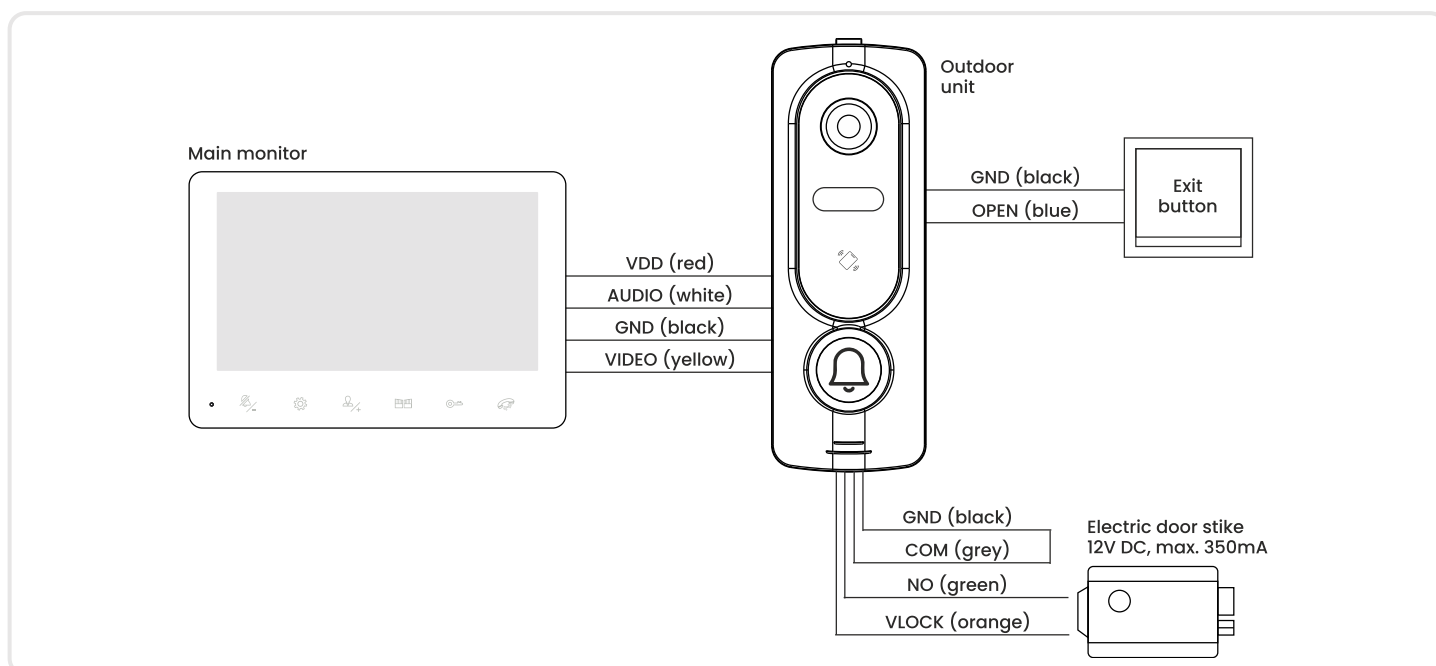


fig. 6 Wiring diagram for the electric strike using NO contacts

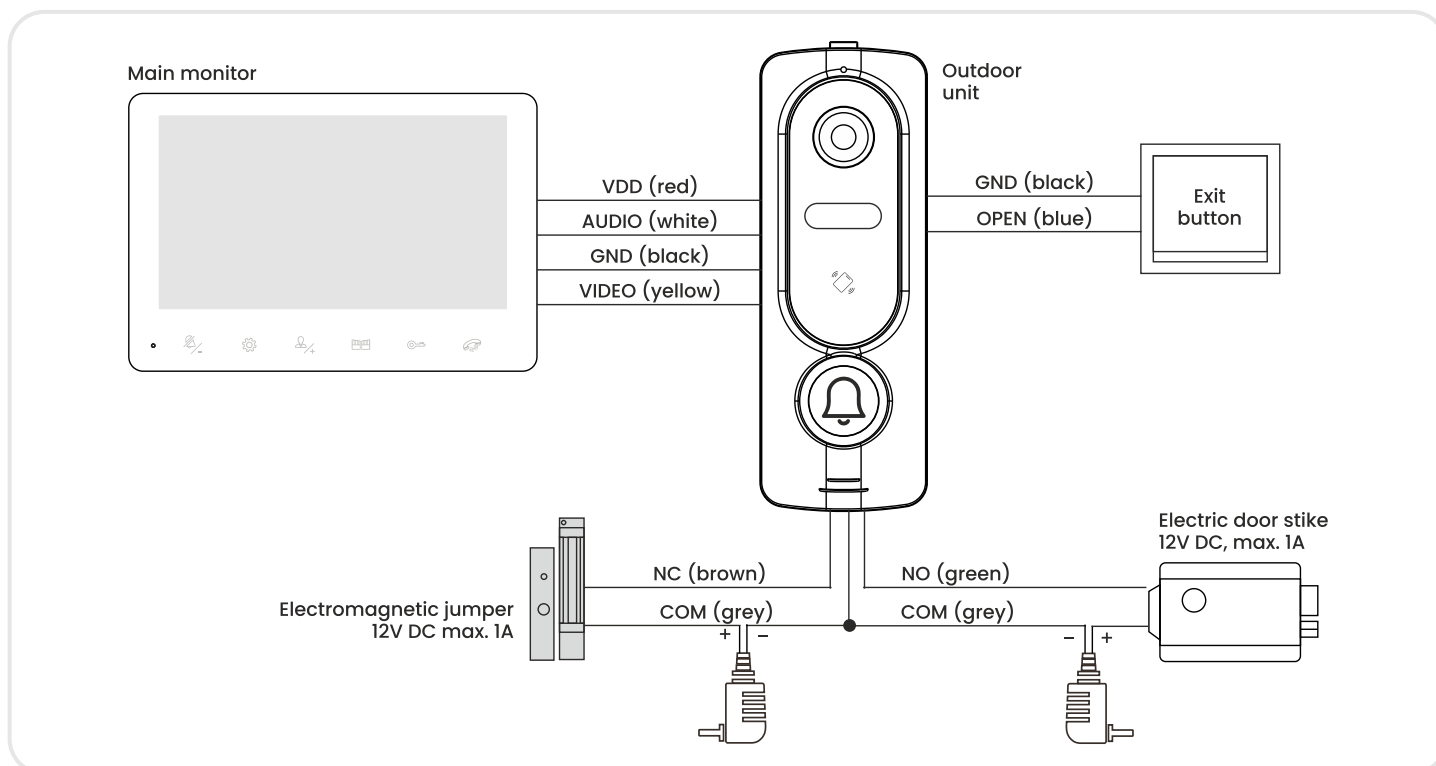


fig. 7 Wiring diagram for the electric strike and electromagnetic lock using NC and NO contacts



8. OPERATION

MONITOR



1. Call

When the call button on the outdoor unit is pressed, the doorbell will sound on both the monitor and the outdoor unit. The monitor will display the image from the outdoor unit's camera. The call lasts for 60 seconds.



2. Talk

When a guest calls, press the talk button  to answer. To end the conversation, press the  button again. The video call can last up to 60 seconds.








3. Monitoring

When the indoor monitor is in standby mode, press the monitoring button  to view the image from the outdoor camera. Pressing the button again allows switching to the CCTV camera feed. While viewing the outdoor unit camera, you can start a conversation at any time by pressing the talk button .

4. Gate/door open





To open the wicket during a call/monitoring, press the wicket open button . To open the gate during a call/monitoring, press the gate open button .


5. Settings menu

To enter the settings menu, during a call/monitoring press the settings button . Here you can adjust brightness , contrast , monitor ringing volume , melody , and monitor talk volume . Use the  button to switch between settings. Adjust values using the + and - buttons.

6. Do Not Disturb mode

To enable/disable *Do Not Disturb* mode, perform one of the following:

- Press and hold the  button for approx. 3 seconds (a single beep will sound).
- In the settings menu, select the *Do Not Disturb* mode marked . Then press + or - to enable or disable the mode. The  icon indicates *Do Not Disturb* is off, and the  icon indicates it is on.

When *Do Not Disturb* is active, an info icon  will appear on the screen. During this mode, the monitor is completely muted.

OUTDOOR UNIT

1. Restoring factory settings

Disconnect the power supply. Press and hold the call button, and at the same time reconnect the power supply. Release the call button. The outdoor panel will emit a triple beep to signal that factory settings have been restored. Default unlocking method: card, default unlocking time: 2 seconds.

2. Programming Master Cards – ADD (adding) and DELL (deleting)

While the monitor is in monitoring/talk mode, press the wicket open button on the monitor, and then (while the electric strike is open) press and hold the call button on the outdoor unit for about 3 seconds. You will hear three beeps and the RFID icon (see fig. 1, p. 10) will start flashing – this indicates entry into the Master Card management mode. Scan two cards: the **first** scanned card will be set as the new ADD Master Card (two beeps confirm successful addition), and the **second** scanned card will be set as the new DELL Master Card (a single beep, and the RFID icon stays on – operation successful).

Note: ADD and DELL Master Cards can also be used like regular unlocking cards. Old Master Cards will be overwritten by new ones.

3. Adding New Users

Entering adding mode:

Within 10 seconds, scan the ADD Master Card three times to enter programming mode (first and second scan: two beeps each; third scan: three beeps and the RFID icon starts flashing).

Exiting adding mode:

Scan the ADD Master Card (a single beep will sound and the RFID icon will stop flashing). After one minute of inactivity, the system will automatically exit the adding mode.

Adding new users:

After entering adding mode, scan a new card. If you hear two beeps, the programming was successful. If you hear four beeps, it failed – try again starting with the ADD Master Card. Cards can be added consecutively. After one minute of inactivity, the system exits programming mode automatically. If the card has already been programmed or is the DELL Master Card, programming will fail.

4. Deleting Users

Entering delete mode:

Within 10 seconds, scan the DELL Master Card three times to enter deletion mode (first and second scan: two beeps each; third scan: three beeps and the RFID icon starts flashing).

Exiting delete mode:

Scan the DELL Master Card (a single beep will sound and the RFID icon will stop flashing). After one minute of inactivity, the system will automatically exit deletion mode.

Deleting a single user card:

After entering delete mode, scan the card you wish to delete. If you hear two beeps, deletion was successful. If you hear four beeps, it failed – try again starting with the DELL Master Card.

Deleting all user cards:

After entering delete mode, scan the ADD Master Card (you'll hear two beeps), then confirm with the DELL Master Card (you'll hear seven beeps and the RFID icon will stop flashing).

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.virone.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 VIRONE products is available at www.virone.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.virone.pl. Any translation/interpretation rights and copyright in relation to this Manual are reserved.

Responsible entity:
 ORNO-LOGISTIC Sp. z o.o.
ul. Rolników 437, 44-141 Gliwice, Poland
tel. (+48) 32 43 43 110, www.virone.pl

Simplified declaration of conformity

Orno-Logistic Sp. z o.o. declares that the type of radio device VDP-72 Video doorphone set Angu is compliant with the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following web address: www.virone.pl.