PRODUCER
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CE

ViRONE

VIDEODOORPHONE SET

Model: VDP-40

STOP!

Before using the device, read this **OPERATING MANUAL!** Any damage caused by improper instalation results in **LOSS OF GUARANTEE!**

OPERATING AND INSTALATION MANUAL

REMARKS

Please read this manual carefully before installing and using the device. In case of any problems with understanding its contents, please contact the seller.
The device can be installed and started up on its own, provided that the assembler has basic knowledge of electronics and uses appropriate tools. However, it is recommended that the device be installed by qualified personnel.
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.

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 are 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.

IMPORTANT!

1. *Disconnect the power supply before any activities on the product.*
2. *Do not install the monitor near devices that emit strong magnetic fields such as TV sets or speakers.*
3. *Do not install the monitor in a place exposed to high humidity like bathrooms, glasshouses.*
4. *Do not install the monitor in a location subject to high vibration and shock and strong sunlight.*
5. *Do not immerse the device in water or another fluid.*
6. *Do not operate the device when its housing is damaged.*
7. *Do not open the device and do not repair it by yourselves.*
8. *Do not use the device against its intended use.*
9. *Immediately turn off the power if "abnormal" sounds are coming from the external panel or monitor.*
10. *After installation and mounting, remove the protective film from the monitor screen.*

WARNING

It is forbidden to make connections to powered devices!
Failure to comply with the above recommendations may result in permanent damage to the device.

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!

10/2019

8. Ringtone volume, brightness, color and conversation volume adjustments.

8.1. Talking volume adjustment
Press button (4) on the front panel of the monitor. When the monitor displays the outside image use the potentiometer (12) to adjust the talking volume.

8.2. Ringtone volume adjustment
Press button (4) in the front panel of the monitor for 4 seconds until you hear the ringtone. Use the button (3) to adjust the volume. Press again button (4) until the ringtone stops to save the volume level.

8.3. Monitor brightness adjustment
Press button (4) on the front panel of the monitor. When the monitor displays the outside image use the potentiometer (10) to adjust the brightness. When makeing the adjustment the brightness level line will appear on the monitor. Press again button (4) to save the brightness level.

8.4. Color adjustment
Press button (4) on the front panel of the monitor. When the monitor displays the outside image use the potentiometer (11) to adjust the color saturation. When makeing the adjustment the color settings line will appear on the monitor. Press again button (4) to save the brightness level.

TECHNICAL SPECIFICATION

OUTDOOR UNIT		MONITOR	
POWER SUPPLY:	DC 12V (from monitor)	**POWER SUPPLY:**	DC 15V 1,5A
WORKING TEMPERATURE:	-25°C +50°C	**DISPLAY:**	7" TFT-LCD, color
NIGHT VISION:	white LED diodes	**MONITORING TIME:**	40 s
CAMERA CONVENTER:	color, CMOS, 420 lines	**CONVERSATION TIME:**	120 s
VIEW ANGLE:	vertically 75°, horizontally 66°	**DIMENSIONS:**	220 x 160 x 19,5 mm
DIMENSIONS:	90 x 180 x 20 mm		

TROUBLESHOOTING

1. No sound/video signalz
a) check power connection,
b) check if the connecting wire is not damaged or wrongly installed,
c) check your installation in terms of technical requirements from page 7
d) check whether the installation is exposed to water or moisture, etc.
2. Poor image quality
a) check image settings and adjust
3. Strong interferences, lack of synchronization (the image flashes)
a) section of the connection wire does not correspond to its lenght
b) installation is too long - use shielded cable
c) quality of the wire is poor
d) strong source of electromagnetic interferences - use shielded cable
4) Poor sound quality
a) check your installation in terms of technical requirements
b) check whether the installation is exposed to water or moisture, etc.
5) The system fails to release the electric door strike at each time
a) check if your electric door strike works properly outside the installation
6) The screen of the monitor is scratched
a) check if the protective film has been removed from the screen

CHARACTERISTICS

Monitor:
- ultra slim, colorful, hands-free set, 7" TFT-LCD;
- adjust monitor parameters (brightness, color saturation, sound volume);

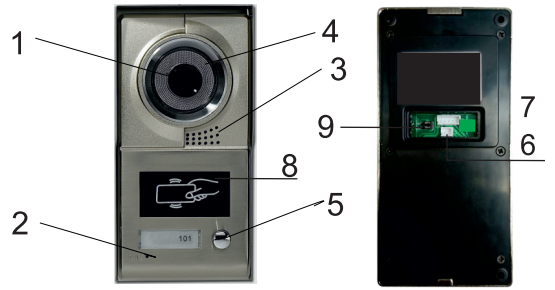
External panel:
- surface-mounted (protective cover included);
- space for a nameplate;
- high-quality night vision with LED diodes;
- opening the electric strike with proximity tag.

The set can be extended with an additional monitor.

IMPORTANT
It is recommended to test the operation of the device before making mounting holes. For this purpose, connect the device for testing according to the connection diagram. The first person holding the camera should call the second person at the monitor using the call button. The second person should carefully examine the field of view of the camera in order to correct the position of the module if necessary.
After accurate measurements, the mounting holes should be made after the power supply has been switched off.

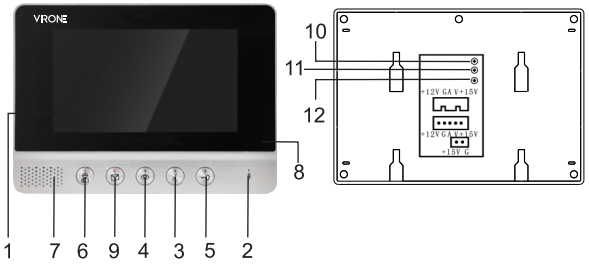
ELEMENTS OF THE SET

1. OUTDOOR UNIT WITH CAMERA



1. Camera
2. Microphone
3. Speaker
4. LED diodes
5. Call button
6. Electric strike socket
7. Monitor socket
8. RFID card reader
9. Jumpers: SET (CN7) and electric strike opening time (CN8)

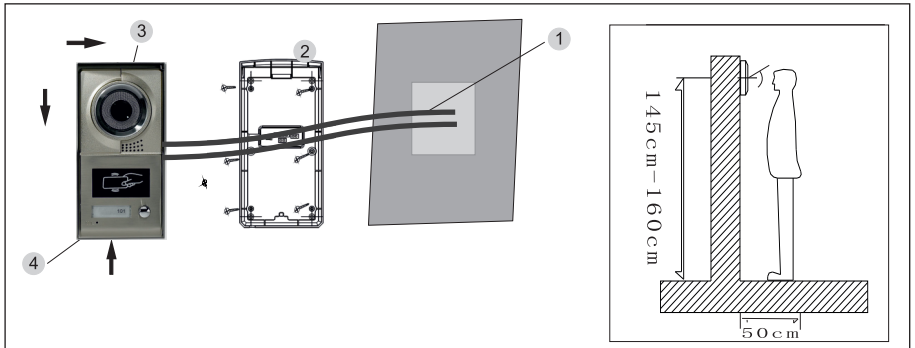
2. MONITOR



1. LCD screen
2. Microphone
3. Talk
4. Monitoring
5. Gate unlock button
6. PANIC button (deterrent)
7. Speaker
8. Power indicator
9. Gate control
10. Brightness adjustment
11. Color adjustment
12. Talking volume adjustment

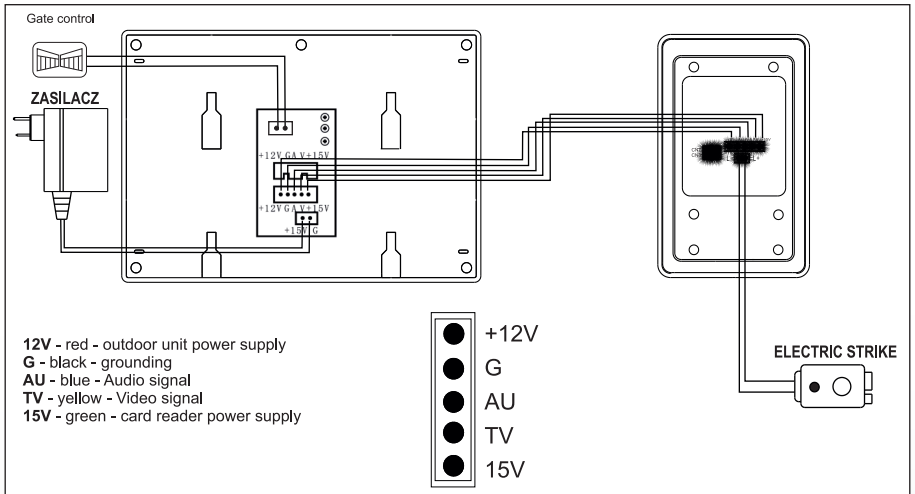
The set does not include an electric door strike and gate opener!

INSTALLATION



1. Lead the electrical wiring to the installation place.
2. Fix the protective cover to the wall with mounting screws.
3. Mount the camera panel to the protective cover and fix it with screws.
4. When the installation is finished, turn on the power supply.

WIRING DIAGRAM



12V - red - outdoor unit power supply
G - black - grounding
AU - blue - Audio signal
TV - yellow - Video signal
15V - green - card reader power supply

When designing an electrical installation, the proper section of the wires should be taken into account:
up to 30m – recommended wire: XzTKMXpw 3 x 2 x 0,5 mm^2
from 30m to 100m – recommended wire: XzTKMXpw 3 x 2 x 0,8 mm^2

Electric door strike should be connected with 2 x 1mm^2.
The set is compatible with any type of 12VDC electric door strike with max. 300mA power consumption.

The total length of the installation cannot exceed 100m.
The manufacturer does not recommend to use stranded wires for this installation.

OPERATION

1. Press the call button on the outdoor unit to trigger the ringtone on the indoor monitor and to display visitor's image on the screen.
2. In order to start a conversation press the Talk button (3) on the monitor. Maximum duration of the call is 120 seconds.
3. It is possible to activate the camera to see the outside image. To do that, press the Monitoring button (4). The duration of monitoring is 40 seconds.
4. If the call is not accepted, the indoor unit will switch back to standby mode within 40 seconds.
5. During the Talk mode or Monitoring mode it is possible to remotely relase the electric strike responsible for opening the gate. To do that press the Gate unlock button (5).
6. The videodoorphone is equipped with a function that allows to open the entrance with the proximity tag (magnetic card in the form of a keychain).
The set contains proximity cards and tags which are pre-programmed at the factory to work with specific outdoor unit:
Additon Card - used to program new tags
Deletion Card - used to deleting tags
User Card - 3 proximity tags programmed to work with the outdoor unit

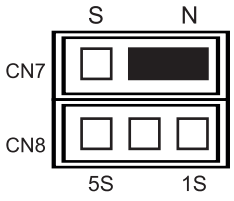
It is possible to add aditional proximity cards or tags to the set.

6.1. Opening the entarnce with a proximity tag:
Place the programmed tag USER CARD close to the card reader on the outdoor panel.

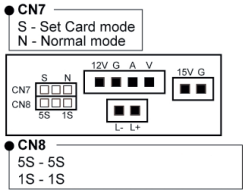
6.1. Adding proximity tags:
1. Place the ADDITION master card close to the card reader on the outdoor panel until you hear short signal.
2. Next, place the proximity tag (USER CARD) close to the card reader until you hear short signal.
3. You can add another proximity tags by placing them close to the card reader.
4. To exit the add-on mode use the ADDITION master card again.

6.2. Deleting proximity tags:
1. Place the DELETION master card close to the card reader on the outdoor panel until you hear short signal.
2. Next, place the proximity tag (USER CARD) that has to be deleted close to the card reader until you hear short signal.
3. You can delete another tags by placing them close to the card reader.
4. To exit delete mode use the DELETION master card again.
5. To delete all USER CARDS in one go, place the DELETION master card close to the card reader and follow with the ADDITION master card. Use the DELETION master card again to exit delete mode.

6.3. Adding new master cards after loosing ADDITION/DELETION card.



1. Turn off the power supply of the outdoor panel.
2. Set the CN7 jumper on position S (Set Card mode).
3. Turn on the power supply of the outdoor panel.
4. Place the new ADDITION master card close to the card reader. When you hear the signal, it means that the addition of the new master card has been successful.
5. Repeat step 4 with another master card to set new DELETION master card.
6. Turn off the power supply of the outdoor panel.
7. Set the CN7 jumper on position N (Normal mode).
6. Turn on the power supply of the outdoor panel. You can start adding the proximity tags (USER CARDS).
IMPORTANT: After adding new ADDITION/DELETION master cards all proximity tags (USER CARDS) will stop working. It is neccessary to program the tags again.



7. Setting the electric strike opening time during opening the gate with the use of proximity tag:

You can adjust the opening time of an electric strike by setting the CN8 jumper on position 1S (for 1s opening time) or position 5S (for 5s opening time).