EURA

VIDEO INTERCOM COLORFUL

VDP-29A3 SATURN PLUS
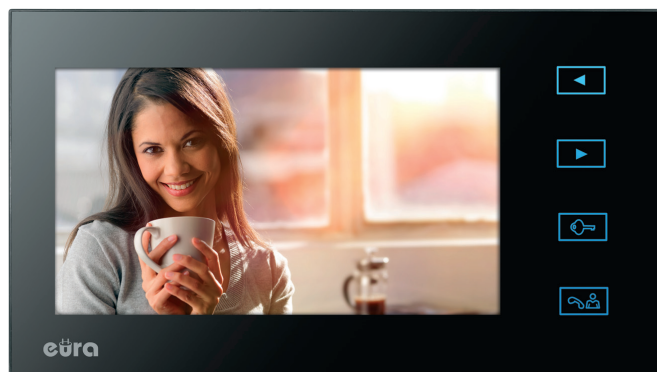
User manual and warranty card

Contents

introductory remarks

Before installing, connecting and using the device, please read this user manual carefully. If you have any problems understanding its content, please contact the seller of the device. You can install and start the device yourself, provided you use the right tools. However, it is recommended that the device be installed by qualified personnel.

The manufacturer is not responsible for any damage that may result from improper installation or operation of the device, or from unauthorized repairs or modifications.

The EC declaration of conformity for this device can be found
on the website http://www.eura-tech.pl/

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1. CHARACTERIZATION OF THE SET

The VDP-29A3 video intercom consists of:
- internal module (monitor) VDA-09A3 for installation inside the room,
- external module (external cassette) VDA-10A3 for mounting on a gate or entrance door,

- DC power supply,
- accessories (protective roof, cable, etc.).

The monitor is equipped with a 7" color LCD display. In addition to the standard functions of communicating with a visitor, viewing the camera's surroundings and controlling the bolt at the entrance to the property, the monitor offers a number of other interesting functions. It is equipped with internal memory, allowing you to save up to 100 photos and allows you to control the second entrance to the property. The control knobs allow you to adjust the conversation volume, brightness and image saturation. Using the button located above them, the user can select one of the 16 available gong melodies, and by moving the switch - change its volume.

The external cassette equipped with a protective roof, with an IP44 protection factor, enables the video intercom to operate properly even in difficult weather conditions. The high-quality camera provides excellent image parameters, even at night - thanks to 6 LEDs that allow viewing the surroundings of the external cassette with insufficient lighting intensity.
It is possible to power the set alternatively with 12V DC from a power supply mounted on a DIN rail.

2. Constructing the Set
2.1. Monitor Construction
The construction of the VDA-09A3 monitor is shown in Fig. 1.

Colorful LCD monitor

Rewind

Fast forward

Bolt release button

Conversation button

Loudspeaker

Microphone

Volume switch
gong melody

Menu button

Adjusting the image brightness

Adjusting the image intensity

Adjusting the conversation volume

Mounting brackets
for mounting frame
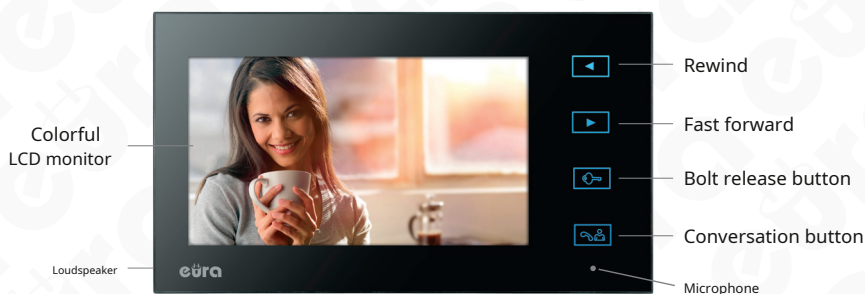
Clamps
external

Nest
to connect
power supply

Fig. 1. Construction of the VDA-09A3 monitor

2.2. Construction of the external cassette

The construction of the VDA-10A3 external cassette is shown in Fig. 2.
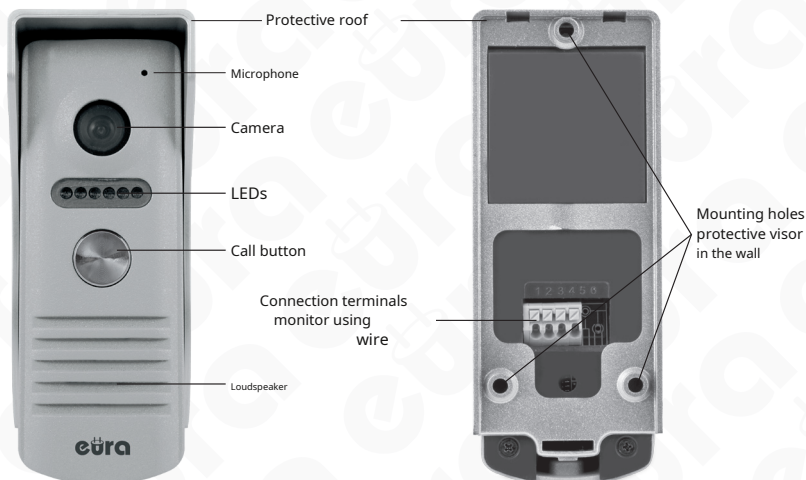

Protective roof

Microphone

Camera

LEDs

Call button

Connection terminals
monitor using
wire

Loudspeaker

Mounting holes
protective visor
in the wall

Fig. 2. Construction of the VDA-10A3 external cassette

3. INSTALLING THE KIT

3.1. Monitor installation

1. The included mounting frame of the module should be screwed to the wall in a way that ensures easy and aesthetic routing of the cable connecting the set and the power cable. The standard height at which the center of the monitor screen should be after hanging on the frame is approx. 145 cm, but its position can be adjusted to the individual needs of users.
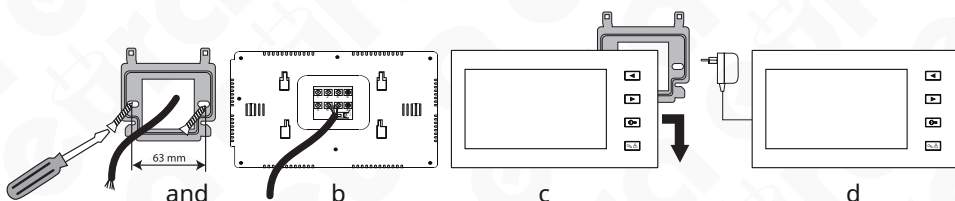

63 mm

and   b   c   d

Fig. 3.

2. Connect the individual wires of the cable to the connecting terminals located on the back of the monitor (Fig. 3) according to the diagram (Fig. 6)
3. Connect the plug of the power supply included with the set to the power socket (Fig. 1).

4. There are 4 holes on the back of the monitor housing (Fig. 1) for hanging the monitor on the mounting frame. Gently hang the monitor on the frame, in accordance with the direction of the arrow in Fig. 3, so that all 4 brackets from the frame are in the holes in the housing

5. Connect the power supply to the ~230V/50Hz mains.

3.2. INSTALLATION OF THE EXTERNAL CASSETTE

The external cassette is factory-adapted for surface mounting.

> **ATTENTION!**
> The correct location of the external cassette determines the comfort of working with the device. Therefore, it is recommended to experimentally select the location for mounting the external cassette before making the mounting hole. To do this, first install the monitor by connecting it (according to the "Monitor Installation" recommendations) to the external cassette, which should be held by another person for the duration of the tests. Then connect the mains power supply and start selecting the correct location for mounting the external cassette. The person holding the external cassette should simulate the normal operation of the device and call the second person at the monitor by pressing the button (Fig. 2). At this time, the person at the monitor should observe the camera's field of view. The person holding the external cassette, based on the suggestions of their interlocutor, must set it in the optimal position. This position should be marked and only then start making the mounting holes.

> **ATTENTION!**
> If the cassette is installed in a place not protected against atmospheric precipitation, it is necessary to install a cover above the cassette to prevent water from entering it.
>
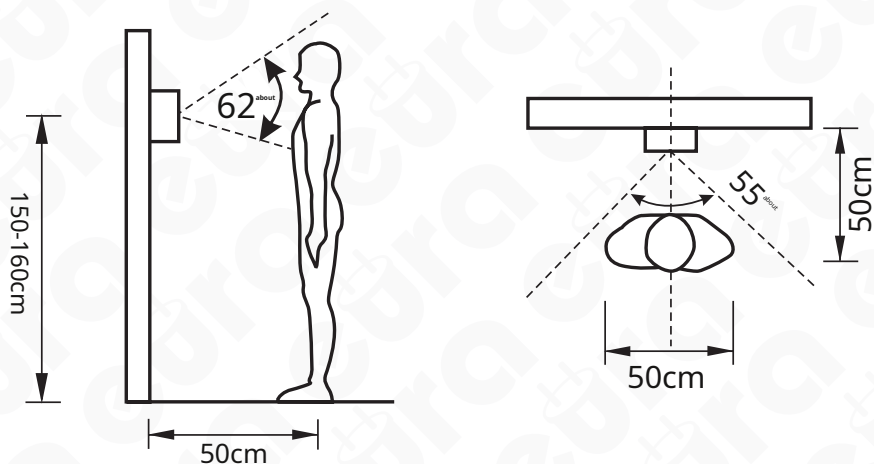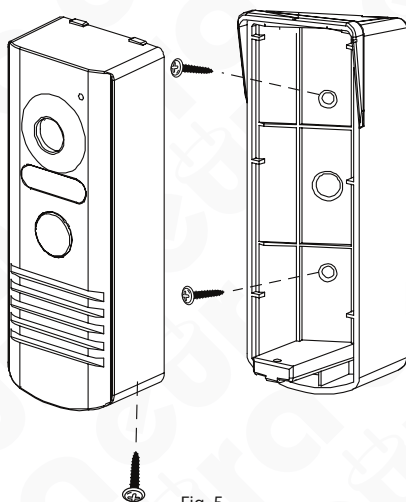> FLOOD DAMAGE TO THE CARTRIDGE IS NOT COVERED BY WARRANTY!

Fig. 4.

Fig. 5.

Installation method:

1. Unscrew the lower mounting screw and separate the outdoor module cassette from the protective canopy (Fig. 5).

2. Mark the locations for the mounting plugs on the wall through the 3 holes in the protective canopy.

3. In the marked locations, drill 3 Ø5mm mounting holes and then insert 3 mounting pins into them.

4. Use 3 mounting screws to attach the protective canopy of the outdoor unit to the wall.

5. Connect the 4 wires of the cable going to the monitor to the module cassette.

6. Place the outdoor module cassette in the protective canopy previously attached to the wall and carefully tighten the lower mounting screw (so as not to damage the elements inside the housing).

ATTENTION!
Do not make any connections or switch cables while the device is connected to the power supply.
Failure to follow the above recommendation may result in damage to the device!
Before assembling or disassembling the device, disconnect the power supply!

Practical notes on mounting the camera module
Avoid places where the camera lens is exposed to direct, perpendicular light rays (sun, headlights, street lighting) as this may cause the camera to operate incorrectly and significantly reduce visibility.

4. Connection diagram

The connection diagram of the system, which includes: external cassette, monitor, electromagnetic lock, optional entrance gate or garage door automation and power supply is shown in Fig. 6.

Wires:
1. Audio signal
2. Grounding
3. Video signal
4. Power supply
5./6. Impulse (connection of electromagnetic lock)
7./8. Relay NO
(connecting the gateway entrance)

External cassette

Electromagnetic lock
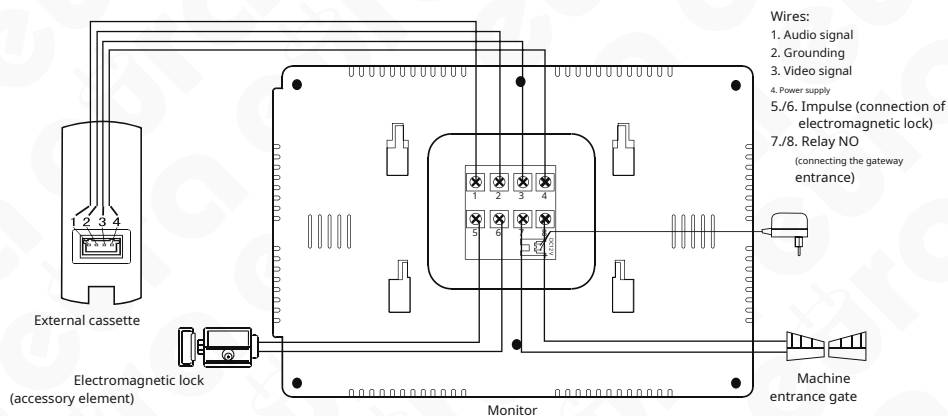(accessory element)

Monitor

Machine entrance gate

Fig. 6. Connection diagram of the set

COMMENTS
1. The entrance gate is controlled by means of a relay whose contacts
   NO (Normally Open) are brought out to terminals 7 and 8 of the monitor.
2. Any power or telecommunications cables that are in direct contact with the cables connecting the external cassette with the monitor may affect
   - beneficial to the operation of the entire set.

Attention

The connection to the electromagnetic lock should be made using a 2 x 0.75 mm cable, similarly in the case of the connection to the optional entrance gate automatic mechanism.

The optimal solution will be to use one 4-core cable connecting the monitor with the external cassette, one 2-core cable connecting the monitor with the electromagnetic lock and one 2-core cable connecting the monitor with the entrance gate automation. If the user has other connecting cables than the recommended ones, they can be used, however, a test connection of the set should be performed to check its correct operation.

	Distance between devices	Type of cable
External cassette - monitor	0 - 50m	4x0.5mm$_2$
	50m - 100m	4x0.75mm$_2$

5. OPERATION OF THE VDP-29A3 VIDEO DOORPHONE
5.1. Conducting a conversation with the preview

When the caller presses the bell button on the external cassette (Fig. 7), a gong signal is activated in the monitor, the image is automatically displayed on the monitor and 2 photos are saved. After pressing the conversation button

🔊👤 you can talk on the monitor, default talk time

is about 120s. The monitor's memory allows you to save 100 photos, after it is full the photos are overwritten.
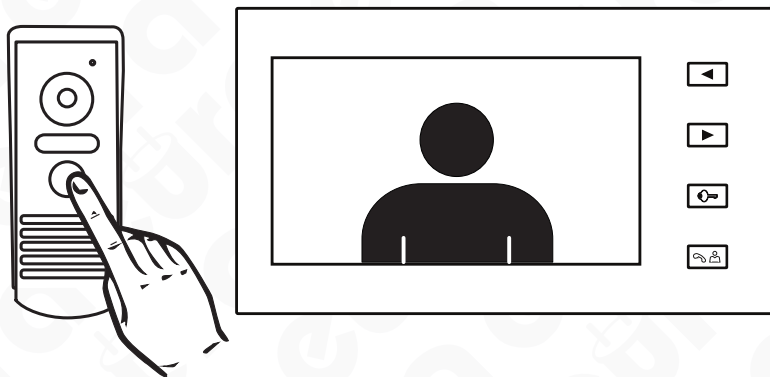

Fig. 7

5.2. VIEWING THE EXTERNAL CASSETTE'S SURROUNDINGS

To activate the view of the external station's surroundings, press the talk button

🔊👤. The default preview time is about 40s. Pressing again

button 🔊👤 allows you to talk, the default talk time is

approx. 120s. To end the conversation, press the conversation button again

conversations 🔊👤.

5.3. releasing the electromagnetIc lock

After answering the call or starting the preview on the monitor, the person inside the room can remotely release the electromagnetic lock by pressing the button on the monitor housing. In the case of connecting two outputs, before performing this step, you must first select the output

using the rewind or fast forward buttons. (◄)   (►)

5.4. adjusting monitor parameters.

Using the knobs located on the side of the monitor, you can adjust the monitor parameters: image brightness, image saturation and conversation volume.   (◖◻

5.5. Viewing photos

To start previewing saved photos, press the rewind or forward buttons in standby mode. You can use the same buttons   (►)

scroll through the photo gallery. The preview will automatically turn off after about 40 seconds.

6. Changing the settings in the monitor menu

To enter the settings menu, proceed as follows: 1.
In standby mode, press the talk button   to activate the monitor.
2. Press the Menu button on the side of the monitor (Fig. 8a).
3. A menu will appear on the screen (Fig. 8b). Navigation along the list shown in the diagram is performed by pressing the Menu button again.
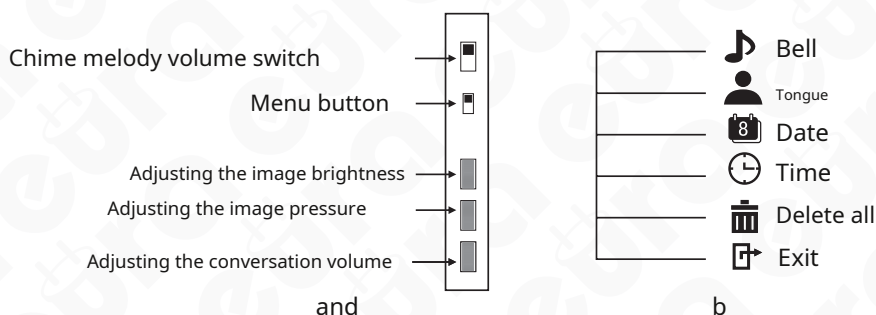

Chime melody volume switch

Menu button

Adjusting the image brightness

Adjusting the image pressure

Adjusting the conversation volume

♪ Bell

Tongue

8 Date

🕒 Time

🛍 Delete all

↦ Exit

and   b

Fig. 8. The arrangement of switches, buttons and control knobs on the side of the monitor and the Menu tree

6.1. GonGu melody settings

To change the gong melody: 1. Enter the
Menu.
2. From the navigation tree using the Menu button select the Ringtone option   ♪.
3. Use the rewind/forward buttons to select one of the 16 available chime melodies.

6.2. Menu language settings

To change the menu language, proceed as
follows: 1. Enter the Menu.
2. From the navigation tree using the Menu button, select the Language option   ●.
3. Use the rewind/forward buttons to select the menu language.

6.3. Date settings

To change the date settings: 1. Enter the
Menu.

2. From the navigation tree using the Menu button, select the Data option ‎ 8️.

3. The date is stored in the format YYYY-MM-DD, where Y is year, M is month, D is day. The
currently changing date component is highlighted. Use the backward/forward
buttons to first set the correct year. (►)

4. To change the month, press the Menu button and then use the up/down buttons again
to set the correct month. (◄)   (►)

5. To change the day, press the Menu button and then again using
rewind/forward buttons to set the correct day. (►)

6.4. time settings

To change the time settings: 1. Enter the Menu.

2. From the navigation tree using the Menu button select the Time option (🕐).

3. The time is written in the format HH-MM-SS, where H is hour, M is minute, S is second.
The currently changing time component is highlighted. Use the backward/forward
buttons to first set the correct time (◄)   (►)

4. To change the minutes, press the Menu button and then use the rewind/forward
buttons again to set the correct minutes. (►)

5. To change the seconds, press the Menu button and then use the rewind/forward
buttons again to set the correct seconds (◄)   (►)
kundy.

6.5. Removal

To delete everything, proceed as follows:
1. Go to the Menu.
2. From the navigation tree using the Menu button, select Delete All   🗑.
3. Press the rewind/fast forward button. The message "Deleting" will appear.

4. The device will automatically exit the Menu.

6.6. Exit the menu

To exit the menu, use the Menu button to select Exit from the navigation tree. Then press
the rewind/forward button.   (◄)
du (►) he device will exit the Menu.

CLEANING AND MAINTENANCE OF INDIVIDUAL SET COMPONENTS
If the monitor or external cassette becomes dirty, clean them only with a soft, slightly
damp cloth and a small amount of detergent intended for cleaning plastic elements.

Attention!
The use of cleaning agents based on solvents, gasoline, etc. or agents containing abrasive substances is not permitted!
If the button on the external module is blocked, clean it using only a penetrating and preserving spray (e.g. WD-40). Spray the spray onto the button and leave to dry.

BEFORE YOU CALL FOR SERVICE - PRACTICAL ADVICE

Before sending your device in for repair, please review the list below, which contains some examples of incorrect operation. The problem may not require service intervention. The following general advice does not cover symptoms caused by incorrect connection of system modules.

SYMPTOM	POSSIBLE SOLUTION
No power to monitor	Check if the device is plugged into the network. Check the power at the outlet by plugging in another device.
No image on the monitor	Check whether the correct order of placing individual wires in the plug connecting the external cassette with the monitor has been maintained. The individual wires connecting the monitor with the external cassette must be connected in accordance with the connection diagram (see Fig. 6).
The image on the monitor is very bright	Check whether the camera is not illuminated by direct sunlight (e.g. sun, spotlights, street lighting), in this case it will be necessary to change the position of the external cassette.
While on a call or using the "view" function, random interference appears on the monitor screen	The possibility of exposure to strong electromagnetic fields, which may be generated by, for example, mobile phones or other telecommunications devices, should be excluded.
The image on the monitor is "foggy"	Check the external housing of the camera for dirt. If necessary, clean it according to the recommendations in the section on maintenance and cleaning. As a result of changes in external temperature, dew may form on the camera eye and in winter the housing may become frosted. In the case of water, it can be removed by wiping it with a soft cloth. Similarly, frost can be removed using a warm cloth. Never use objects that can scratch the plastic cover of the camera.
If the external cassette is not sufficiently lit, the image on the monitor becomes less clear and the colors fade.	This is a normal phenomenon that occurs when there is insufficient lighting in the external cassette containing this type of color camera. In order to To improve the image quality at night, use additional external lighting near the camera.

7. Technical Specification

Set	
Number of cables required	4
Number of premises served	1
Number of inputs supported	2
Video signal parameters	1Vp-p 75 Ohm CCIR
Possible expansion	Yes
VDA-09A3 Monitor	
Power supply	12VDC/1100mA
Power consumption - standby / operation	2W / 5W
Screen type	LCD
Screen size	7"
Monitor resolution	800 x 480 pixels
Touch screen	NO
Possibility of recording videos	NO
Card slot (SD / micro SD)	NO
Internal image memory	100 photos
Number of gong melodies	16
Handsfree	Yes
Menu language	Polish, English
Digital photo frame function	NO
Monitor operating temperature range	0ºC ~ +30ºC
External dimensions	129 x 228 x 21mm
Net weight	470g
External cassette VDA-10A3	
Power supply	12V DC
Camera sensor type	CMOS Color
Resolution	420TVL
Viewing angle - horizontal / vertical	55º / 62º
Night light type	6 LEDs (infrared)
Encryptor	NO
Protective roof	Yes
Proximity reader	NO
Fingerprint reader	NO
Housing material	Aluminum alloy
Installation method	Surface mounted
Protection factor	IP44
Temperature range of the cartridge	- 18ºC ~ +50ºC
External dimensions	144 x 64 x 52 mm
Net weight	180g

Warranty card

product name: **video doorphone**

model: **VDP-29A3 SATURN PLUS**

date of sale ....

<div style="border">point of sale stamp and seller's signature</div>

GENERAL TERMS AND CONDITIONS FOR WARRANTY REPAIRS

1. Eura-Tech Sp. z o. o. with its registered office in Wejherowo at ul. Przemysłowa 35A (hereinafter referred to as the "Guarantor"), guarantees the proper operation of the device indicated in the Warranty (hereinafter referred to as the "Product").

2. The warranty is granted for a period of 24 months, provided that the Product is used in accordance with the technical and operational conditions described in the user manual and accepted standards. The warranty is valid in the territory of the Republic of Poland. For selected products, e.g. carbon monoxide detectors, the warranty period may be longer, which is always specified with the product itself.

3. The rights and obligations of the Guarantor and the Purchaser of the Product are governed by the provisions included in this Guarantee, which the Purchaser should familiarize themselves with before purchasing. The purchase of the Product is tantamount to acceptance of the terms of this Guarantee.

4. The date from which the Warranty period is valid is the date of issue of the sales document recorded in the Warranty Card and the sales document. Defects revealed during the Warranty period will be removed free of charge by the Central Service of Eura-Tech Sp. z o. o. (hereinafter referred to as the "Service").

5. The document confirming the conclusion of the above agreement and thus entitling you to pursue your rights is a correctly completed Warranty Card together with a document confirming the purchase (receipt, VAT invoice). Any changes (smudges, erasures, cross-outs, corrections, etc.) in the Warranty Card invalidate it.

6. In the case of Products without Warranty Cards (e.g. wireless bells, gongs, signaling devices, detectors and others), the document confirming the conclusion of the contract is the sales document (receipt, VAT invoice).

7. The warranty repair does not cover the activities specified in the Operating Instructions, which the Purchaser is obliged to perform on his own and at his own expense (e.g. installation, configuration, optimal protection against external conditions, maintenance, possible dismantling, etc.).

8. The warranty does not cover:
   - accessories/consumables such as: frames and mounting screws, cables, proximity cards, power supplies with power cables, batteries and accumulators or other elements that are additionally attached to the Products - due to their nature, they have an operational lifespan,
   - mechanical, electrical, chemical and thermal damage or intentional damage to the Product and the defects caused by them,
   - damage and defects resulting from improper use or use inconsistent with the Instructions for Use, user negligence, improper storage or maintenance of the Product, as well as use of the Product contrary to safety regulations and contrary to its intended use,
   - damage to the Product that was not properly secured during transport to the Service (e.g. no transport packaging, failure to wrap the Product properly in protective foil, immobilization of the Product in the packaging, etc.),
   - damage to the Product for which the Purchaser has lost the Warranty Card,
   - damage caused by fire, flood, lightning strike (including indirect lightning), or other natural disasters, unforeseen accidents, liquid flooding, overvoltage in the electrical network, connection to the electrical network in a manner inconsistent with the Operating Instructions,
   - Products that have been modified, changed in design, repaired by breaking the warranty seal or in any other way.

9. The Guarantor provides free spare parts and labor, in accordance with the terms and conditions set out in this Warranty, during the Warranty period specified on the last pages of the User Manual in the "Warranty Terms" section. The Warranty covers only and exclusively Product failures caused by defective parts and/or manufacturing defects.

10. A complaint will only be considered if the Product in question is delivered to the Service together with:
    - Warranty Card (except for devices listed in point 6),
    - a correctly completed Repair Report Form
    - proof of purchase including the date and place of sale.

11. Opening the device without the express consent of the Service, performing any repairs on your own or in an unauthorized service by unauthorized persons will be the basis for voiding the Warranty.

12. The Buyer is obliged to deliver the damaged Product to the point of sale or directly to the Service. If the complaint is considered justified by the Service, the Product will be sent back to the Buyer after being repaired at the Guarantor's expense, using the courier services with which the Guarantor currently has cooperation (GLS).

13. Delivery of a damaged Product by any forwarding agent at the Guarantor's expense, without prior arrangement with the Service, will result in refusal to accept the package.

14. Any defects or damages to the Product revealed and reported during the Warranty period will be removed free of charge within 14 calendar days. In justified cases, this period may be extended, in which case the Buyer will be informed about the approximate repair time. The repair period begins on the first business day following the day the Product is delivered to the Service.

15. The defective Product or its parts that are replaced become the property of the Service.

16. Before starting any repair, the Service will always inspect and assess the degree of damage to the Product being complained about. If it is found that the Product:
    - is in working order,
    - was installed and connected contrary to the recommendations contained in the Operating Instructions,
    - it was damaged clearly due to the fault of the Buyer,
    - has a broken seal,
    - meets the conditions specified in point 8,
    then the Service treats such a complaint as unjustified and may charge the Buyer with the costs of transport and diagnosis of the device, in accordance with the Price List for Paid Repair Services applicable at the Service.

17. The Buyer has the right to exchange the Product for another one with the same or similar technical and operational parameters if:
    - during the Warranty period, the Service will carry out 3 repairs, and the Product will still exhibit defects that prevent it from being used as intended,
    - The Service considers that the removal of the defect is impossible or within the time specified in point 14,
    - repair may result in excessive costs for the Service.

18. In extreme cases, after prior consultation with the Buyer, the Service may:
    - extend the repair period for the Product if the required repairs cannot be performed due to unforeseen circumstances, such as: difficulties related to importing the device and/or spare parts, legal regulations preventing the performance of repairs, etc.,
    - decide on the refund in accordance with and on the basis of the price on the purchase invoice, if it is not possible to exchange the Product for another one.

19. Neither the Guarantor nor the Service shall be liable for damage to other devices resulting from a failure of the Product.

20. The Buyer has no right to claim reimbursement of lost profits due to the failure of the Product.

21. Failure to collect the repaired Product after 4 weeks from the repair deadline specified in point 14 will be treated as a free surrender of the Product to the Service. The Service may donate the Product to charity or use part of it for the needs of the Service.

22. If you suspect that the shipment has been tampered with or that the Product being shipped has been damaged during transport, please follow the procedure below:
    - after receiving the shipment, always check the condition of the packaging in the presence of the forwarding employee (the shipment should be sealed with tape and/or the Service stamp, if it is not or is tampered with in any way, it means that the shipment was opened by unauthorized persons),
    - each time the contents of the shipment should be unpacked and checked in the presence of a forwarding employee, and if any damage to the contents of the package or any shortages are found, an appropriate report should be drawn up together.

23. The Product Warranty does not exclude or limit the buyer's rights resulting from the non-conformity of the goods with the contract.

Central Service Eura-Tech Sp. z o. o.
Przemysłowa 35a
84-200 Wejherowo
Mon. - Fri. 08:00 - 17:00 e-mail:

Used electrical or electronic equipment must not be stored (discarded) with other household waste. To avoid harmful effects on the environment and human health, used equipment should be stored in designated places.
For information on where and how to safely store used products, please contact your local authority or waste recycling company – Journal of Laws No. 180 item 1495 of 29/07/2005.

GIOS registration number: E0011703W

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