



## ***Intercom kit***

***ADP-47A3 DOPPIO***



***User manual  
and  
warranty card***



## **INTRODUCTORY REMARKS**

- Before connecting and using the device, please read this user manual carefully. If you have any problems understanding its content, please contact the device vendor.
- Self-assembly and start-up of the device is possible provided that the installer has basic knowledge of electrical engineering and uses the appropriate tools. Nevertheless, it is recommended that the device be assembled 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.

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**The ADP-47A3 intercom set is designed to support two independent users (premises, apartments), allowing them to operate a common entrance zone via one external module.**

## 1. Construction of the Set

The ADP-47A3 intercom consists of two internal modules and one common internal module. All parts are powered by mains power supplies connected to the internal modules.

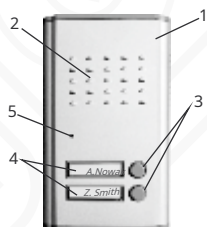


Fig. 1

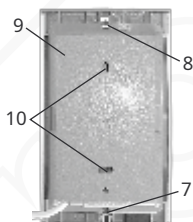


Fig. 2

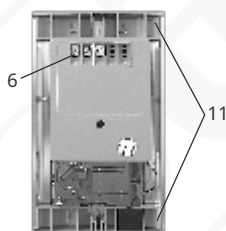


Fig. 3



Fig. 4

**The external module (Fig. 1-4) has:**

1. Aluminum cassette
2. Speaker
3. Call buttons
4. Information boards
5. Microphone
6. Terminal block for connection via internal module cable
7. Lower mounting screw
8. Top mounting screw
9. Plastic can
10. Holes for mounting the plastic box in the wall
11. Covers - top and bottom
12. Hole for the internal module connection cable

**The internal module (Fig. 5 and 6) has:**

**Version with power supply connected to the socket**

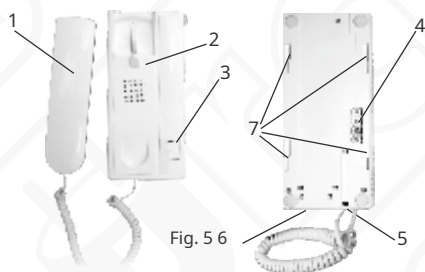


Fig. 5

1. A handset for talking to someone outside
2. Handset holder
3. Door/gate opening button (allows remote door opening using an electromagnetic lock)
4. Terminal strip for connecting the external module and the electromagnetic lock via a cable
5. Socket for connecting a handset
6. Socket for connecting the power supply terminal
7. Brackets for securing the module to the mounting frame

**Directly connected version  
power supply to terminal strip**

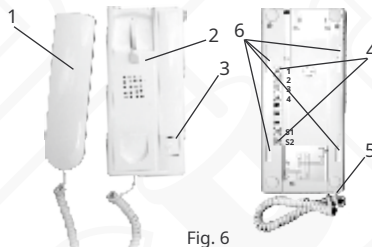


Fig. 6

1. A handset for talking to someone outside
2. Handset holder
3. Door/gate opening button (allows remote door opening using an electromagnetic lock)
4. Terminal strip for connecting the following cables: external module, electromagnetic lock and power supply
5. Socket for connecting a handset
6. Brackets for securing the module to the mounting frame

## 2. Installing the kit

### 2.1. Installing the external module

The outdoor module is factory-adapted for installation in a solid wall.

#### ATTENTION!

The correct location of the external module determines the comfort of working with the device. Therefore, it is recommended to experimentally select the location for mounting the external module before making the mounting hole.

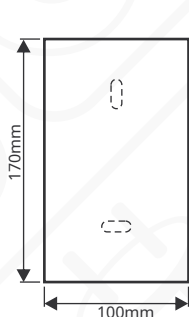


Fig. 7

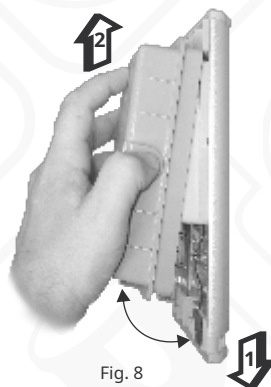
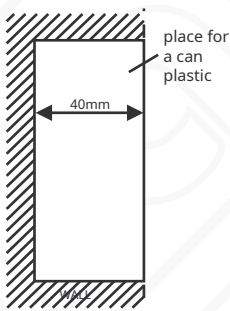


Fig. 8

1. A hole with dimensions of 170x100x40 mm should be punched or cut out in the wall for the plastic box, as shown in Fig. 7. The position of the hole should be selected so that after mounting the external module, the loudspeaker and microphone are at a height that allows free conversation with a person inside the room.
2. Separate the plastic can from the aluminum cassette (see Fig. 8). To do this, proceed as follows:
  - a) unscrew the lower mounting screw (Fig. 4, item 7),
  - b) move the lower cover of the cassette down slightly (Fig. 3, item 11),
  - c) move the plastic box upwards to remove the upper mounting screw (Fig. 4, item 8) from the hole in the upper cover.
3. Mark the places for the mounting plugs on the wall through two oval holes in the bottom of the plastic box (Fig. 4, item 10). Drill two mounting holes in the wall in the previously marked places, and then insert expansion plugs for 5 mm screws. Use the screws to secure the box to the wall.
4. The cable running to the internal module should be fed through the hole in the plastic box. It is recommended to feed the cable into the box with a margin of about 20 cm for easier assembly in its subsequent stages.
5. Connect the wires according to the diagram (see Fig. 11 or 12 - depending on the power supply connection version) to the terminal strip of the internal module cassette (Fig. 5 or 6, item 4).
6. Close the entire outdoor unit, slide the lower cassette cover back up and tighten the lower mounting screw.
7. To enter information on each information plate, press the glass on its right side (see Fig. 9), thereby releasing the retaining clip. Then, slightly move the glass to the right. After removing and labeling the plates, place them back in the module.

#### ATTENTION!

Do not make any connections or switch cables if the device is powered by a power supply connected to the ~230V/50Hz mains. Failure to follow the above recommendation may result in damage to the device! Before assembling or disassembling the device, disconnect the power supply from the mains.

#### Other mounting methods:

The manufacturer does not recommend any other installation methods than those listed above, however qualified installers can make any necessary changes.



Fig. 9

## Practical notes on mounting the outdoor module

**The outdoor module is not waterproof! If the module is installed in a place not protected from atmospheric precipitation, it is necessary to use an additional cover above the module, which will prevent water from entering its interior. DAMAGES CAUSED BY FLOODING THE MODULE ARE NOT COVERED BY WARRANTY!**

### 2.2 Installing internal modules

1. Screw the included mounting frame of the module (Fig. 10a) 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 internal module should be after hanging on the frame is approx. 145 cm, but its position can be adjusted to the individual needs of users.

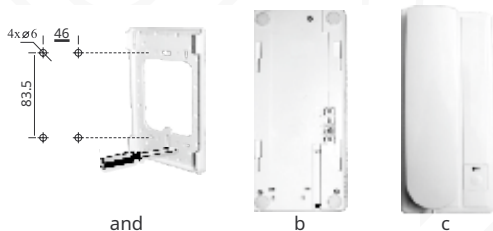


Fig. 10

2. Connect the individual wires of the cable to the connecting terminals located on the back of the module (Fig. 10b) according to the diagram (Fig. 11 or 12 - depending on the power supply connection version).
3. To the power supply socket or to the terminals (depending on the power supply version) connect the power supply (Fig. 5, item 6 or Fig. 6, item 4).
4. Connect the headphone to the headphone socket (fig. 5 or 6, item 5).

5. There are 4 holes on the back of the module housing (Fig. 5, item 7 or Fig. 6, item 6) for hanging the module on the mounting frame. The module should be hung gently so that all 4 brackets from the frame are in the housing holes.
6. Finally, connect the power supply to the ~230V/50Hz mains.

### Practical notes on mounting the internal module

**- The module must not be exposed to water, moisture and high temperatures.**

**- The module contains parts that are not impact resistant.**

### 3. Connection diagram

The basic connection diagram of the system, which includes: external module, internal modules, electromagnetic lock and power supplies, is shown in Fig. 11 (for the power supply version with power supplies connected to the socket) and in Fig. 12 (for the version with power supplies directly connected to the terminal strip).

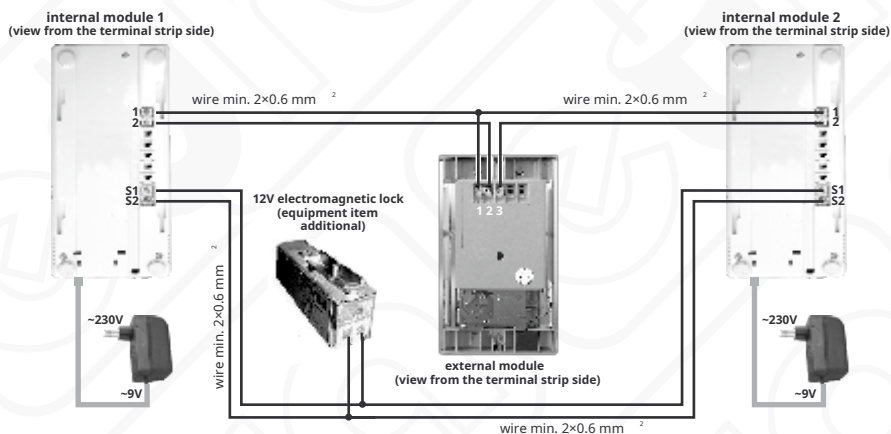


Fig. 11. Connection diagram of the set in the version with the power supply connected to the socket.

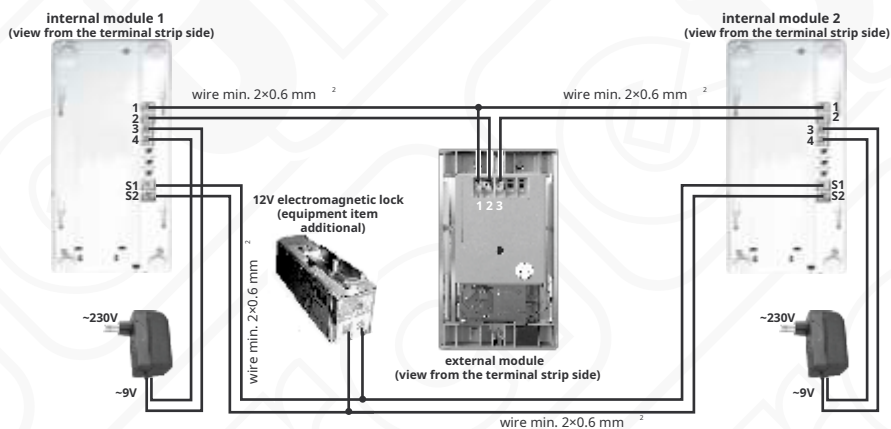


Fig. 12. Connection diagram of the set in the version with the power supply connected directly to the terminal strip

## OPERATION OF THE ADP-47A3 INTERCOM

### 4. Conducting a Conversation

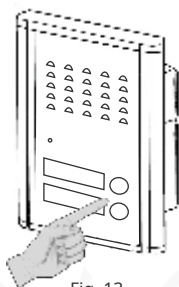


Fig. 13

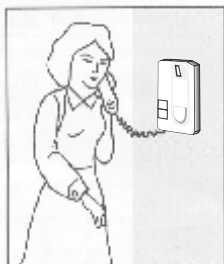


Fig. 14

When the caller presses one of the buttons on the external module (Fig. 13), the gong signal is triggered in the corresponding internal module. The lower button on the external module triggers internal module 1, and the upper button triggers internal module 2 (see the connection diagram in Fig. 11 or 12).

After picking up the internal module receiver, you can conduct a conversation (Fig. 14). A person inside the room can remotely open the door (release the electromagnetic lock) by pressing the button (Fig. 5 or 6, item 3) on the internal module housing.

## CLEANING AND MAINTENANCE OF INDIVIDUAL SET COMPONENTS

\* If individual parts of the set become dirty, clean them only with a soft, slightly damp cloth and a small amount of cleaning agents intended for washing plastic elements.

### ATTENTION!

The use of cleaning agents containing solvents, gasoline, etc. or 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.

## TECHNICAL SPECIFICATION OF THE ADP-47A3 KIT

GENERAL PARAMETERS OF THE SET	
Nominal supply voltage of the set	9 AC (maximum voltage deviation 5%)
Power consumption from power supply	In standby mode - approx. 0.5 W, during a conversation - approx. 2.3 W
EXTERNAL MODULE PARAMETERS	
Operating temperature range	from -18 <sup>±0.5</sup> °C to +55 <sup>±0.5</sup> °C
Permissible atmospheric pressure	min. 86 kPa, max. 106 kPa
Maximum relative humidity	less than 96%
Module weight	about 0.4 kg
External dimensions of the module(H x W x D)	200x116x54 (mm)
INTERNAL MODULE PARAMETERS	
Type of communication	"DUPLEX" system via handset
Maximum relative humidity	less than 80%
Gong signal	electronically generated without the ability to adjust the volume level (factory set)
Module weight	approx. 1,340 kg
External dimensions of the module(H x W x D)	215x98x68 (mm)
Output voltage parameters for the electromagnetic lock	voltage 12V DC
TYPE OF CABLES CONNECTING THE SET COMPONENTS (additional equipment element)	
Cables connecting the outdoor unit with internal - type depending on operating conditions (ground or overhead)	two-core with a maximum length <b>60 meters</b> , above this length, interference may occur, preventing the device from working properly
Cables connecting internal modules with the electromagnetic lock	two-core with a maximum length <b>60 meters</b>
Cross-section of individual wires	from 0.6 mm <sup>2</sup> up to 0.8 mm <sup>2</sup>

\* the manufacturer reserves the right to make changes to technical parameters without notice



# WARRANTY CARD

product name **INTERCOM KIT**  
model **ADP-47A3**

date of sale.....

point of sale stamp and seller's signature

## WARRANTY CONDITIONS

1. The manufacturer grants the buyer a guarantee for the proper operation of the equipment specified in the Warranty Card during the period **24 months** from the date of sale. The warranty is valid **including proof of sale!**
2. Only the Warranty Card drawn up on the original form and correctly completed is valid; Failure to provide any of the required information, making any corrections or deletions in the content of the Card is tantamount to its invalidation.
3. Equipment complaints will be processed within statutory deadlines.
4. The Buyer may request the replacement of the device with a new one free from defects and damages or a refund of the purchase price if during the warranty period:
  - 3 repairs were made and the goods still show defects,
  - it is impossible to remove the defect.
5. The choice of how to settle the complaint rests with the Manufacturer.
6. The warranty covers only defects resulting from reasons beyond the user's control. The goods are not subject to complaint if they have been damaged as a result of:
  - improper use of the equipment or use that is inconsistent with the instructions and intended use,
  - improper storage,
  - making any modifications,
  - making independent repairs outside the Manufacturer's Central Service,
  - as a result of random events (fire, network overvoltage, electrical discharge, flooding, etc.),
  - mechanical damage.
7. The warranty does not cover complaints regarding mechanical damage to accessories such as headphones, connecting cables, sockets, and other components whose malfunction is the result of wear and tear during normal use.
8. The manufacturer is not responsible for damage resulting from transporting equipment without proper transport packaging.
9. Detailed obligations of the manufacturer and rights of the buyer arising from the warranty are specified in the Civil Code.
10. Please send any complaints and concerns regarding equipment repairs directly to:

CENTRAL SERVICE  
"EURA-TECH" sp.j.  
84-200 Wejherowo ul. Przemysłowa 35A  
Mon-Fri 9:00-16:00  
e-mail: [Serwis@eura-tech.eu](mailto:Serwis@eura-tech.eu)  
tel.: +48 (0)58 678 81 20

The manufacturer declares that the device complies with the essential requirements and other provisions of the relevant directives. A copy of the declaration of conformity is available on the website: <http://www.eura-tech.eu>



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.



## NOTES ON THE PROCESS OF POSSIBLE REPAIRS



## **EURA-TECH Ltd.**

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