

ACO

DOMOFONY

Zadbaj o pierwsze wrażenie!

OPERATING MANUAL FOR DIGITAL DOOR ENTRY PANEL FAM-P

FAM-P-xx v2.0



TECHNICAL PARAMETERS

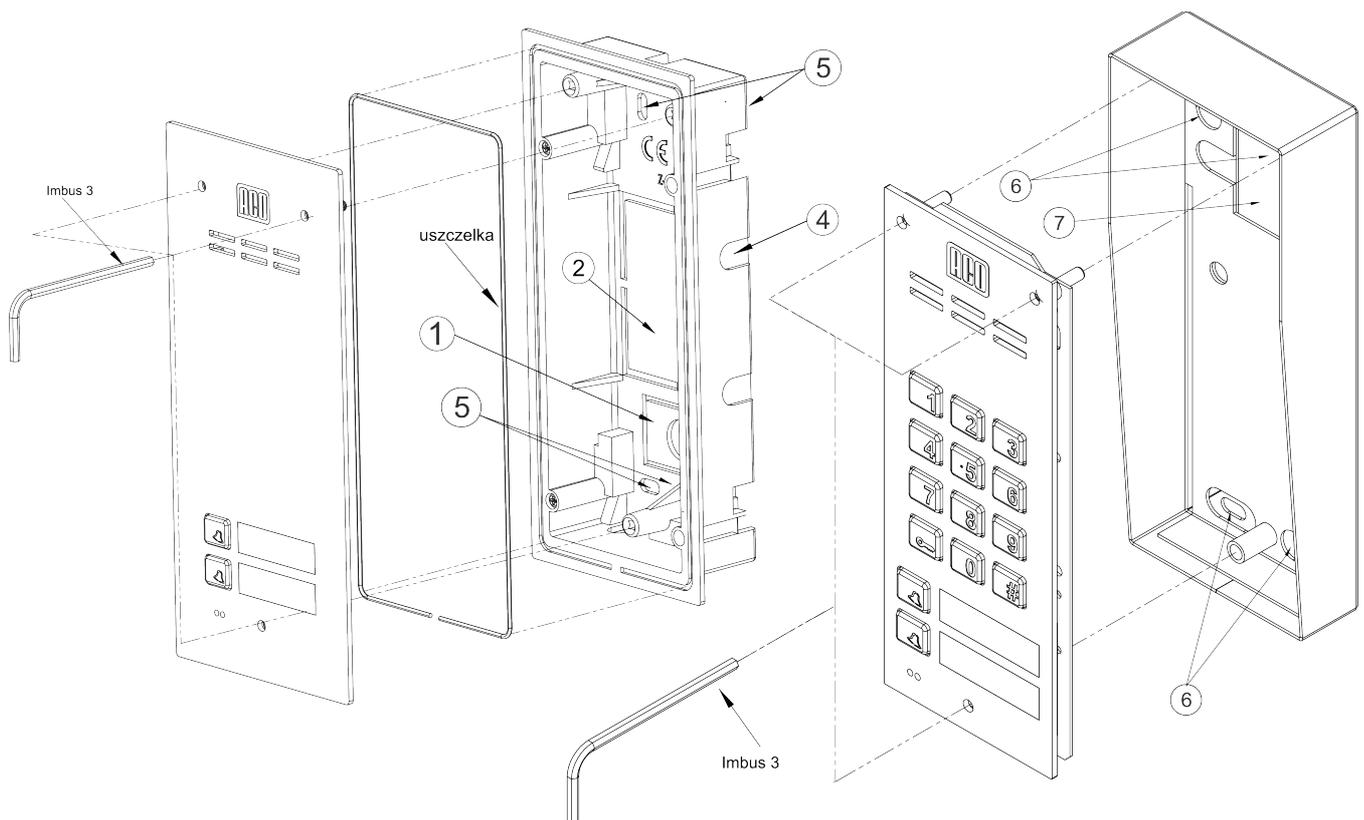
- Power supply: (12V \pm 0,5V) AC or 15V $\frac{+0,5V}{-1,5V}$ DC
- Power consumption in stand-by mode: ~1W
- Power consumption of FAM-P-2NPZS: max. 200mA without electric lock
- Max. load of electric lock out: 1A
- Enclosure: stainless steel; front panel mounted with 3mm Allen screws
- Required space for mounting:
 - flush box cut out: 177 x 71 x 31mm
 - surface panel: 177 x 70 mm
 - surface panel with flush converter: 214 x 107 mm
 - flush converter cut out: 180,5 x 73,5 x 26,5 mm

INSTALLATION OF THE PANEL

Panel should be mounted on a wall where influence of bad weather conditions are minimal (vestibule or covered wall). In case you want to install the flush panel inside a metal pole, order additional mounting kit.

According to the drawing below:

- use holes '5' to mount flush panel or flush adapter, lead out cables through '1'.
- use holes '6'; to mount surface panel, and lead out cables through '7'.
- use holes '4' in case you want to temporarily mount the panel, especially in soft materials like foam or by means of nails.
- Cut out cover '2' if you want to place there any additional module like CDN-I/O or CDN-U.
- At the end place the gasket in one piece, cut it if it is too long, but after you place in the groove. Any damage of the gasket or the groove might cause leaks.



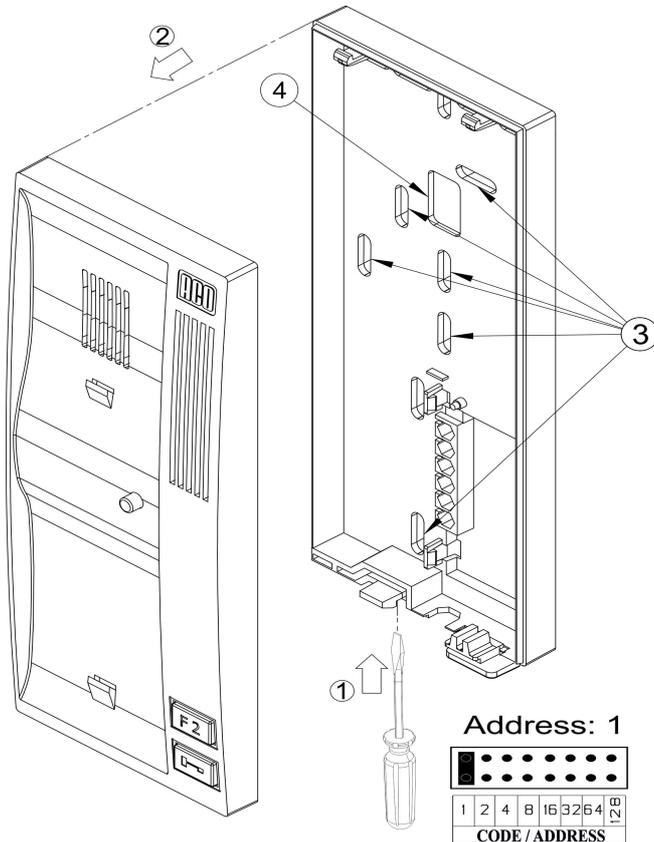
Power supply voltage 12V AC (recommended transformer 11,5V; 0,8A; 10 W) connects to “POWER” terminals in the panel. Electric lock without estimated polarization connects to “ELOCK” terminals.

Cables of following length have to be lead to the panel:

- 2 wires x 1 mm² – power supply, max. 20m
- 2 wires x 0,75 mm² – to electric lock, max. 5m
- 2 wires x 0,5 mm of panel cable to connect handsets, max. 300m

If using smaller cable or connections are too long,, voltage drops may occur during the conversation or during opening of the electrical door lock, causing interference in the operation of the panel.

MOUNTING AND CONNECTING HANDSETS



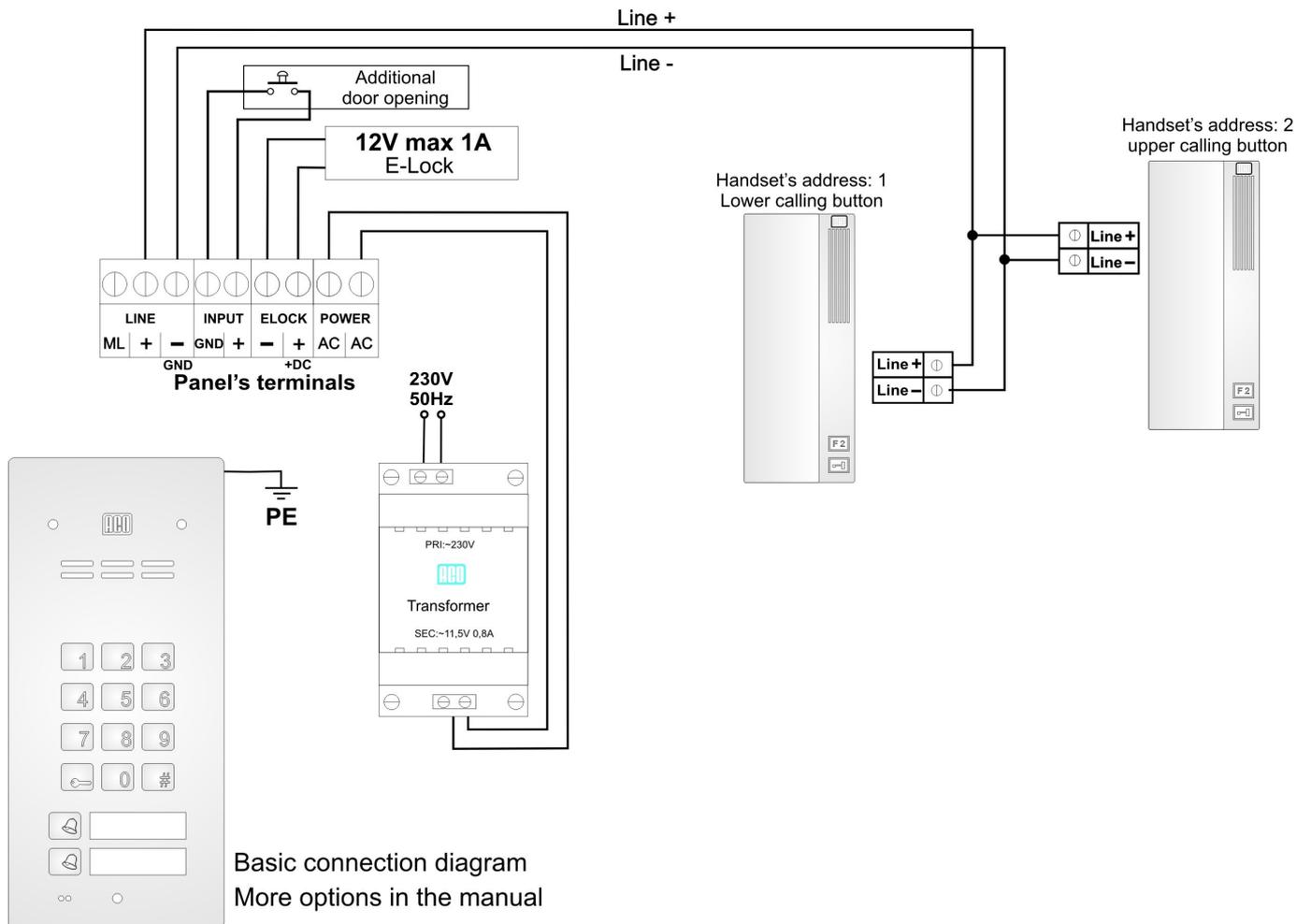
In order to mount the handset, open the enclosure (press the lower part of the handset "1" with screwdriver and open the front part of the enclosure "2"), through the whole "4" lead the cable and screw in the back of the handset using the holes "3".

While connecting the handset to the panel pay attention to the correct connection (polarization) of the terminals „LINE+“ and „LINE-“ in both the panel and the handset.

NOTE! Pay attention also to the proper setting of address in the handset's decoder. Panel's address number '1' is at the bottom button, the address number '6' is at the top (use jumpers to address the handsets)

It is important that there are no handsets in the system with the same address, every handset has to have its individual address which means that only one handset can ring at the same time. If you wish to call more than one handset, you need to use special handset model: INS-UP720MR (this model is adapted to work with the same physical addresses). Ask your provider about it.

PANEL AND HANDSETS CONNECTION DIAGRAM



**Panel
FAM-P-xx**

OPERATING THE PANEL

- turning on power supply of the panel every time you turn on the power, the panel will be beeping for 30 seconds. This function stabilizes conditions of handsets line and allows to set default codes and panel settings. The countdown can always be canceled with „#” or lower direct call button.
- making the call:
in order to call a subscriber press the direct call button and the corresponding handset will ring in the apartment. The panel sends two calling signals and then sets itself into „waiting for pickup mode”. If the call is not answered within 20s, another single signal is sent. If in total of 40s the call is not answered, the panel comes back into stand-by mode automatically. Calling can always be canceled with „#” button. If the call is answered, the connection will be established. From this moment conversation and door opening are possible. The call can last up to 2 min.
- using the code (only panels with keypad):
in order to open the door (activate the electric lock) using the keypad use one of two codes.
Default codes are:
 - for the lower button: **1111**
 - for the upper button: **2222**

NOTE! It is recommended to change the code after the installation. Changing the code is simple and goes as follows: input the current code, within 1,5 sec press and hold the „key” button for about 4 sec until the panel sounds a high modulated tone. Then input new 4 digit code and the panel will confirm it with another tone. After entering the right code, the corresponding handset sounds triple short tone to notify people in the house that someone has just used the code to pass.

- resetting to default codes and all other default settings of the panel: in case of losing the code, you need to go back to default settings as follows:
Cut off the power to the panel, wait 5 sec, connect the power again. The panel will beep for 30 seconds. During the countdown push „#” and right after that (instantly) push at once:
 - keys 1 and 7 in order to reset the lower button code to 1111
 - keys 2 and 7 in order to reset the lower button code to 2222
 - keys 2, 5, 8 in order to reset to default settings including both codes (**NOTE!** Use this feature only in case of malfunction of the panel or system crash)
- failure of the handsets line:
the panel detects malfunction of handsets line (short-circuit) – it is signaled by twinkling of the keypad back-light. In such time entering has to be possible and pushing any button turns on door opening. After detecting the right state of the line (no more short-circuit) the panel comes back to normal working mode automatically.

OPERATING THE HANDSET

- In order to answer the call, while it is ringing, pick up the receiver. During the conversation it is possible to open the door with opening button.
- Conversation ends automatically after hanging-up
- During the stand-by mode it is possible to adjust ringing volume of the handset (switch at the bottom side of the handset)
- optionally – it is possible to control with „F2” button additional devices like gate (only with handsets INS-UP720M or INS-UP720MR)