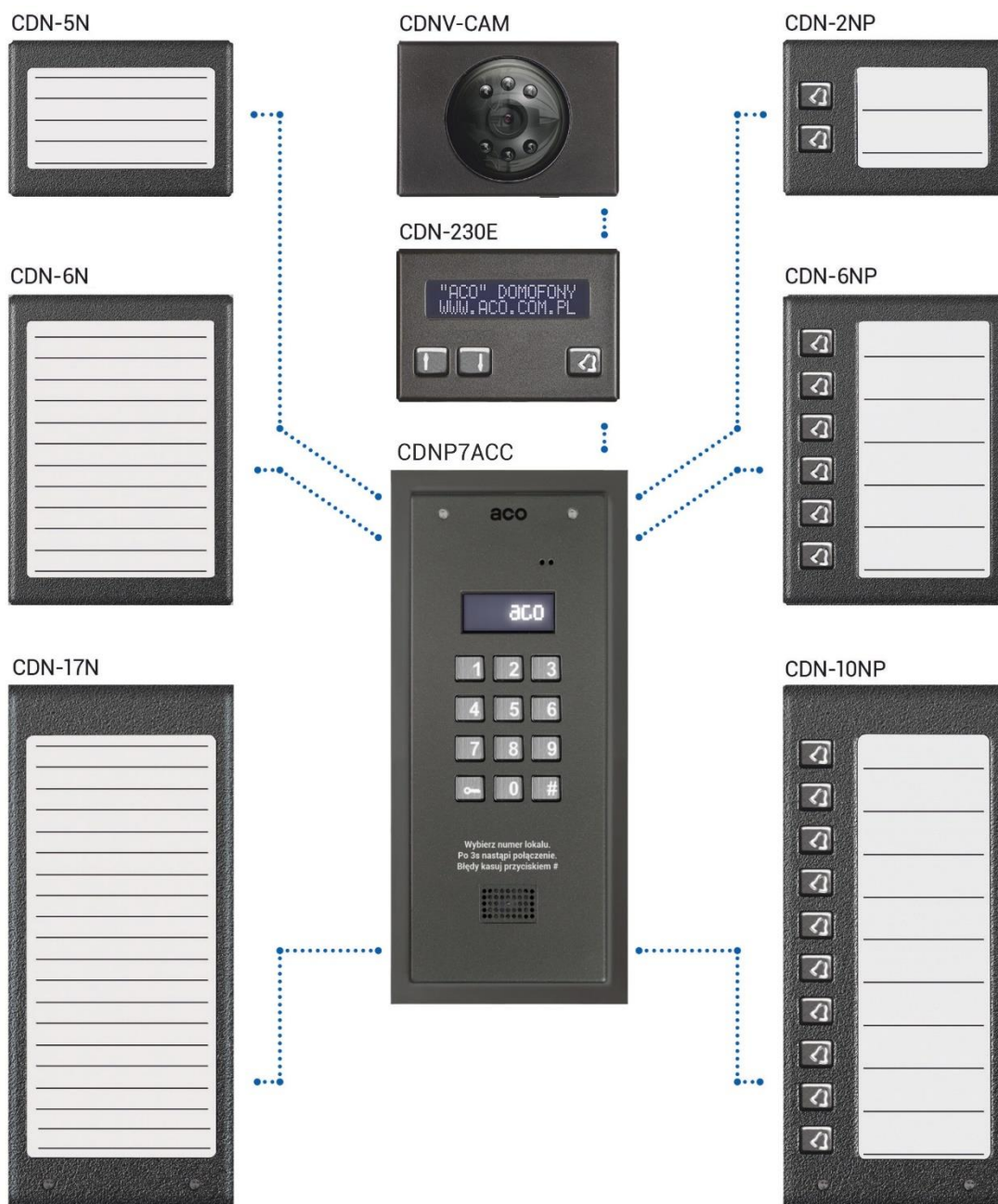




USER INSTRUCTION FOR CDNP7ACC (G2) DIGITAL DOOR ENTRY SYSTEM



The illustration shows an example of the panel if expanded with modules that can be purchased separately. A keyboard with embossed Braille characters is also available as an option.

RULES FOR STORING WASTE ELECTRICAL EQUIPMENT

Waste electrical equipment must not be disposed of with other waste. It should be stored in places designated for this purpose. For this purpose, please contact the responsible institutions or companies involved in waste recycling. - Directive 2002/96/EC of 27.01.2003

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INSTALLATION OF THE PANEL

Install the panel on building wall (vestibule, sheltered wall, east wall, etc.) so that to minimise the effect of adverse weather conditions, especially water. Recommend installation height of the control panel is approximately 1.35 m. The frame of the panel is installed with rawplugs or appropriate screws, in addition the frame for flush mounting is installed with plaster in wall cavity Lead the wires through the holes in the base.

PLEASE NOTE! For proper operation and safety, connect the metal frame to earth by connecting the grounding terminal with relevant protective installation (PE).

Use a 1.5 mm² cross-section cable (such OMY 2x1.5) with a maximum length of 30 m to connect the control panel to power supply. Use a 1.0 mm² cross-section cable (such OMY 2x1.0) with a maximum length of 7 m to connect the control panel to door E-lock. Insufficient power supply, too small cable cross-section and too long connections (voltage drops) may cause interference in the operation of the device (such as interference in the audio track: "buzzing" or reset system trip and device rebooting, especially when opening the E-lock). Use a +15VDC power supply to power the control panel, connected to the +DC (+ELOCK) and GND (LINE-) terminals. When using an 11.5VAC (alternating voltage) power transformer, connect it to the 12V~AC/AC terminals. For video systems, use only a 15V DC power supply and connect it to the terminals of the combiner. Connect the E-lock with no specific polarity to "ELOCK" terminals, if a reversible E-lock is used, switch the operation mode of the control panel to operation with a reversible E-lock (Program 10). When using a reversible E-lock, voltage appears at the "ELOCK" output depending on the power supply or used - use a suitable reversible E-lock. It is also possible to use the MOD-DC-12V module for 12VDC power supply of reversible E-lock if the door entry unit is supplied by a 15VDC power supply or a transformer. The additional relay "OUTPUT" can be used to control the entrance gate for example (factory setting) using a code (with a "double key") and the F2 button on the receiver. The response time (factory default is 1s) and functions of the "OUTPUT" can be changed using a PC software (Panel parameters: Module CDN I/O - Port 2). **All connections in the installation must be soldered!**

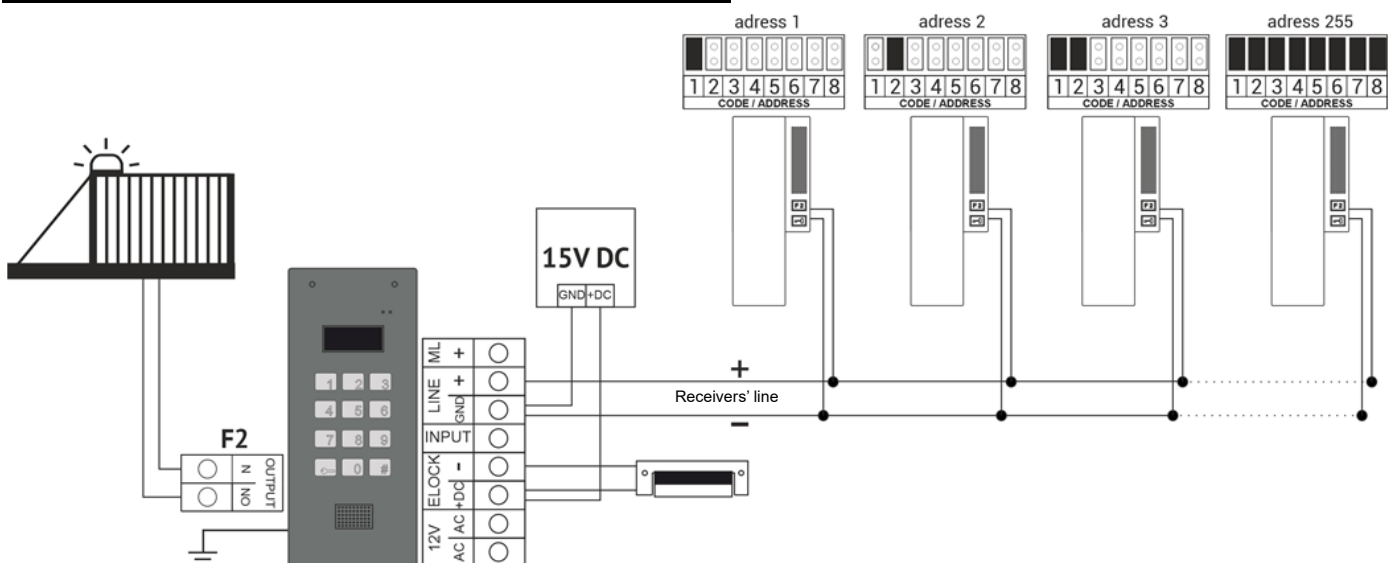
Connect the following wires to the unit:

- 2 wires x 1.5 mm² - power supply to the control panel (max 30 m),
- 2 wires x 0.5mm - intercom cable for connecting receivers (max 300 m)
- 2 wires x 1mm² - to E-lock, (max 7 m)
- 1 wire in yellow-green insulation, for ground connection.

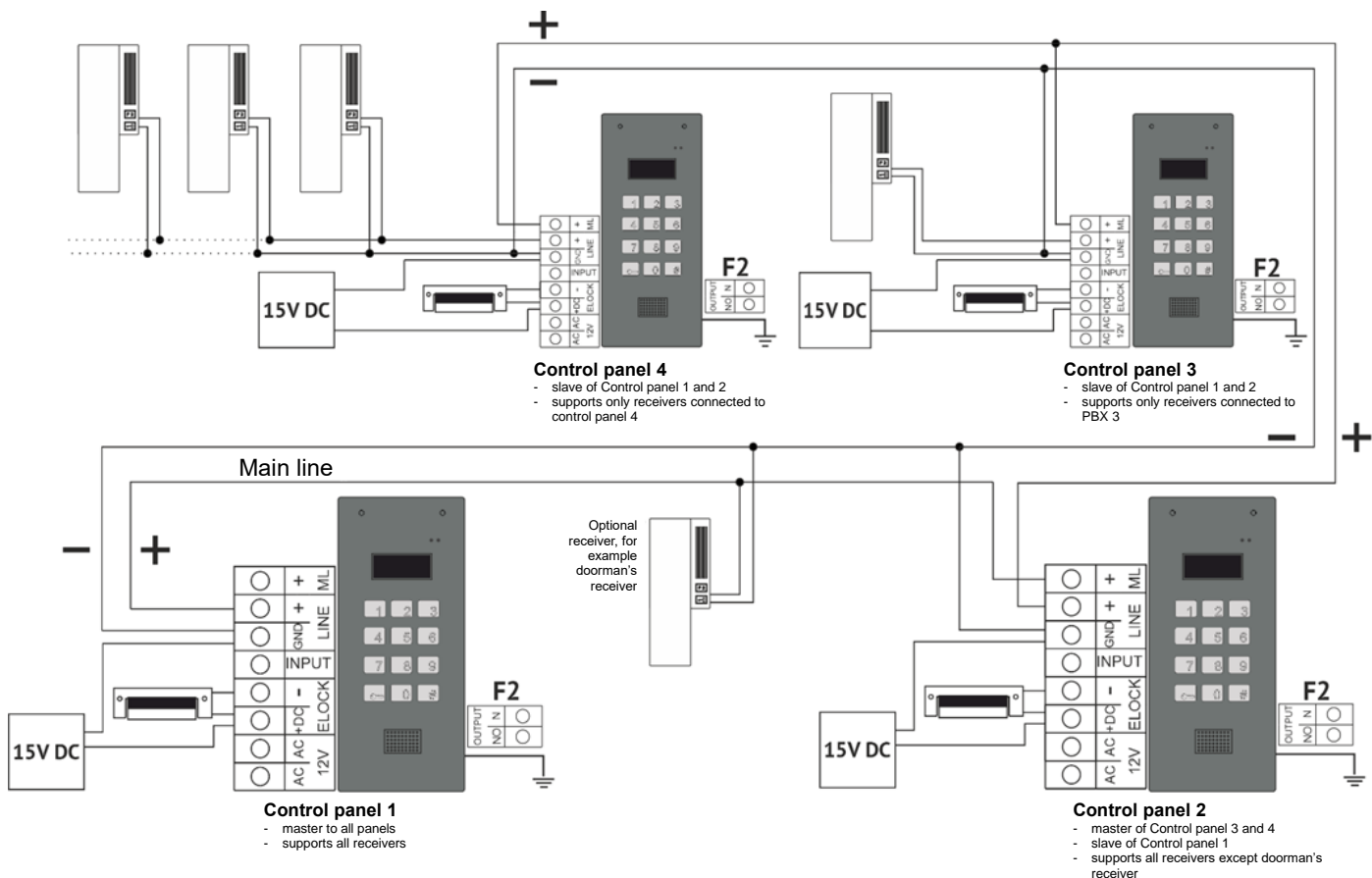
Electrical parameters

- Power supply: **15VDC** (13.5V – 15.5V) or **11.5VAC** (±0.5V)
- Maximum current consumption (without E-lock and additional modules): **250 mA**
- Permissible load of E-lock output:
- **1A or 0.5A** for reversible E-lock
- Standby power consumption: **~0.6W**
- Permissible load of OUTPUT (F2) contacts: **2A / 30VDC**

CONNECTION DIAGRAM, SINGLE CDNP PANEL



CONNECTION DIAGRAM, MULTIPLE CDNP PANELS



INSTALLATION AND CONNECTION OF RECEIVERS

Install receivers (uniphones) as per their relevant installation instructions and connect them, making sure that the individual address in the receiver's decoder for each apartment is correctly set and that the polarity of connection to "LINE+" and "LINE-" terminals is correct. When using the 2 x 0.5 mm wire, the maximum distance between the receiver and the control panel is 300m (for 2 x 2.5 mm² wire it is 1000 m).

VOLUME LEVEL ADJUSTMENT

The volume level settings can be accessed, when connected to the receiver, as follows:

- adjust the sensitivity of the unit microphone using the "MIC" potentiometer
- use the "SPK" potentiometer to adjust the volume level of the panel speaker
- use the "SOUNDS" potentiometer to adjust the volume level of the panel sound

As these values are set, turn the "BALANCE" potentiometer to determine the position of the excitation points (squeak) in the loudspeaker and set the potentiometer halfway between these points (to move as far away as possible from the position where the excitation/squealing occurs - if the position where no excitation occurs cannot be set - reduce the microphone sensitivity and/or volume of the control panel speaker. In a mixed system with different receivers, the adjustment is necessary for hands-free receivers, setting the maximum call volume on the receiver - when the call "drops", the panel speaker volume and/or microphone sensitivity should be reduced.

OPERATION

In standby the display shows "Intro", which can be freely changed (default into message: "aco"). The pre-set number range is 1 to 255, which corresponds to the physical addresses set in the receivers. Use the installer menu (program P20) to set the range of supported receivers in the facility. The PC software can be used to set any call number in the range 0 to 999999 and assign it to any receiver's address, limit the range of supported receivers and edit the Intro message. To call an apartment, its number must be selected using the keypad (or if a 230E module is used, select an entry with arrows and press the "ring" button). Within 3 seconds the receiver in the apartment will start ringing. If a call is answered in ringing mode, communication is possible and door can be opened. To open the door with the user (tenant) code, select the number of the apartment with the keypad, confirm with the "key" button and enter the four-digit code, unique for each apartment. Full table with codes for all users or name tags for residents together with use instruction can be printed using the "ACO Code Generator" available at www.aco.com.pl/aco_generator/. For each panel the code table is entered at the factory on the back of the unit as a 4-digit number; in order for the same opening codes to work in each panel, the same code table must be used. To get access using one of five administrator's code,

press the "key" button on the keypad and then enter the six-digit code. This code is used by persons such as technicians, postmen, housekeepers, etc. The door will also open when using a proximity key fob (resident's or installer's key fob) programmed in the device. A key fob which is not programmed will generate three "beeps". When the door is opened, the display shows "Enter!". Immediate opening of the door is also possible when the auxiliary **INPUT** is shorted to GND - exit button connection. The OUTPUT exit can be activated upon pressing the F2 button in the receiver during the call or upon entering the user code - in which case the "key" button must be pressed twice before entering the code, which is the same as the basic access code. (the display shows "Exit-2") When using ACC, the second output will be activated upon pressing the "key" button and using the key fob programmed in the device.

PANEL PROGRAMMING

Basic settings in the control panel can be changed from the built-in installer menu. To enter the installer menu: press the "key" button and within 5 seconds enter "1507xxxx", where "xxxx" is the four-digit installer's password, which is pre-set to correspond to the last four digits of the product serial number printed on the sticker on the back of the device and which should be changed after installation! (menu 7). Access to the installer's menu is confirmed with a beep, the software version and then program No. 0: "Open" on the display. Use "2" to navigate the menu up and "8" - to navigate it down. Use the "Key" button to enter the currently displayed menu and confirm the values entered. Use the "#" button to go back, cancel the changes and exit the installer's menu. The installer mode enables resetting (restarting) the unit by pressing buttons 7 and 9 simultaneously. Upon exiting the installer's menu, the unit displays its current inner temperature. **PLEASE NOTE!** Full configuration of the control panel is possible using a PC software ("x700") which can be downloaded free of charge from www.aco.com.pl. An optional CDN-USB cable is required to connect the control panel to a PC, which must be purchased separately. Downloaded from the website can also be the proximity key fob management software ("ACC_v7x") and an extended manual for the CDNP control panel, including a description of common problems.

PROGRAMS AVAILABLE FORM THE INSTALLER'S MENU:

| | | | | | |
|-----|-------|--|----|-------|---|
| 0 | Open | E-lock activation in maintenance mode | 1 | PIN | Change of user's (tenant's) opening code |
| 2 | Akey | Change of 5 administrator's codes, adding administrator's key fobs | 3 | Rings | Setting the number of ringtones, permission to call |
| 4 | Oplnf | Turning on - off the door opening signal in the apartment | 5 | Tones | Setting one of four ringtones |
| 6 | Ltime | Setting the E-lock time | 7 | lpass | Installer's password change |
| 8 | Fobs | Verifying card assignment to apartments | 9 | Table | Entering access code table |
| 0' | ReEL | Enabling reversible E-lock | i | RstLo | Disabling factory settings reset |
| 2' | M-ACC | Adding key fobs to "ACC" proximity reader | 3' | M-Xnp | Programming module for names with buttons 2, 6, 10 NP (first zone only) |
| 4' | Delay | Setting opening delay when INPUT is shorted | 5' | CaSrv | Programming the time to turn on the "call service" text |
| 6' | InsCa | Installer's call from apartment (apartment range from-to) | 7' | SrvCa | Service call from apartment (specific apartment) |
| 8' | Searc | Finding misplaced or defective receivers | 9' | Ltest | Line test - testing devices in the installation |
| 0'' | FrmTo | Range of supported physical addresses of receivers in zone 1 | | | |