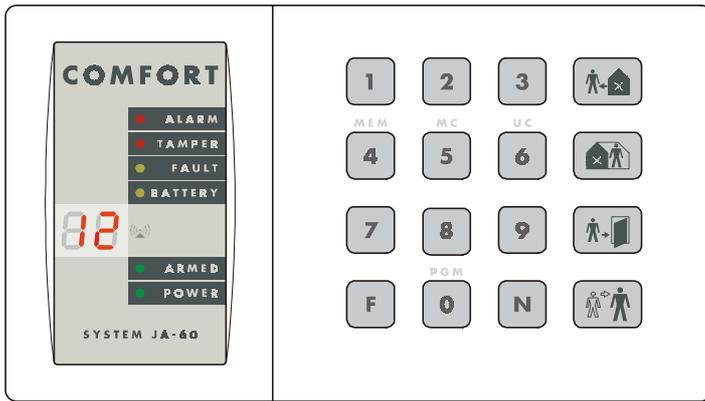# JA-60E Wire operated keypad

The JA-60E is an optional keypad for the JA-60 or 65 alarm system. It can operate and program the system in exactly the same way as the built-in keypad on the control panel. It is connected to the control panel by a cable. Up to two keypads can be connected to a single control panel. The alarm system's status is indicated by the LED indicators, the built in display and built in buzzer.

Specifications

connection	with cable to the JA-60 digital bus connector
connecting cable	4 core cable with RJ connectors (4/4 1:1) or ordinary telephone cable (terminals)
length of the cable	max. 100 m
power supply	10 –14 V (taken from the digital bus)
power consumption	40 mA when the system is normally powered
	25 mA when the system is powered by the back up battery
number of keypads in a system	max. 2
working environment	IP40, class 2, indoor use
working temperatures	-10 to +40°C
security grade	grade 2 according to EN 50131

Contents of the set: JA-60E keypad, 2 plastic dowels, 2 screws, 4 m of cable, 2 RJ-44 connectors and 2 adhesive labels.
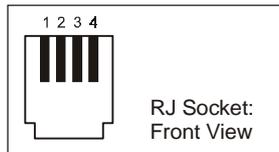
Accessories – for keypad connection (can be ordered separately):
RJ-40   converter from RJ connector to 4 terminals
RJ-21   RJ connector splitter (2/1)
RJ-44   cable connector (4P/4C)
RJ-00   crimpling tool for RJ connectors
CT-04   cable for RJ connectors

Installation

Select the desired keypad location (close to the entrance). It can be installed either directly on the wall or on a junction box

RJ Socket: Front View

- Open the keypad by pressing on the internal tab on the right side (using a screwdriver)
- Make a hole for the cable on the rear plastic housing in any of the predefined areas.
- Mount the rear housing to the desired place (the internal tab should be on the right hand side)
- Plug in the cable to the RJ socket or connect it to the terminals
- Reattach the front panel by placing the left side to the rear part and then push the right side against the wall (the tab will click)
- Connect the other end of the cable to the digital socket on the JA-60 control panel (use a splitter or a converter for the terminals when it is necessary)
- The keypad can be used immediately after powering of the control panel (no setting required).

Remarks:

Multiple JA-60E keypads – if you want to use more keypads, they must be connected in parallel. Connecting cables can be split in the control panel, in the first keypad or in an extra junction box. It is also possible to combine cables equipped with RJ connectors for the first keypad and ordinary telephone cable & terminals for the other keypad.

Connecting cable must connect the corresponding positions in the keypad and in the control panel (1-1, 2-2, 3-3, 4-4). Check the colors of the cores in the cable.

If the keypad doesn't work after connection, unplug the cable and check if the internal cores are positioned correctly (1-1, 2-2, 3-3, 4-4).

Operation

The keypad can operate and program the system exactly the same way as the built-in keypad on the control panel.

Note: It is not possible to record the voice message from the JA-60E keypad, because the dialer microphone is located in the JA-60KX control panel.

Functions F1 through F0 can be used on the JA-60E as described in the JA-60 control panel manual. Beside this, there are 4 extra keys which have the following functions (when pressed 0.2 seconds or more):

Arming without a code (equal to F1 entry)

Partial arming (equal to F2 entry)

Door opening (equal to F3 entry)

Panic alarm (equal to F7 entry) - when pressed before entering of a valid user code, the silent alarm will be triggered; if the system is armed, it will also disarm (operation under duress).

Backlight of the keys works only when the JA-60 control panel is powered from the main system. When the main power is off and the system is powered from the back-up battery, the backlight is off.

Remote access to the system

The JA-60E keypad can be used to operate and to program a remote system (JA-60 or 65) via telephone line using the JA-60U modem. The remote system must be equipped with a telephone communicator in which remote access was enabled (see installation manual of the control panel).
Note: The remote access is possible only with the JA-60E version XY and JA-60U version 25110211 or higher.

Connect the JA-60U modem to the telephone line and plug the JA-60E keypad cable to the data plug on the modem. After you power the modem, the keypad will indicate **u** (the modem is ready).

To establish connection enter following sequence:

xxxxxxxx F1 a F2 ttt...t F3 nnn...n F d

where:

xxxxxxxx is 8 digits remote access code of the alarm system

a second call option (to bypass answering machine) 0-no, 1-yes

ttt...t call back tel. number – if call back is not requested enter just F3 after F2

nnn...n tel. number of the remote system (for pause enter F0)

d dialing method 4-tone, 5-pulse

After the **d** parameter is entered, the modem will establish connection and the keypad will indicate current status of the remote system. Use the keypad the same way as if connected to the system. Depending on the quality of the telephone connection the response of the keypad can be slower. The 4 large keys on the right side of the remote keypad are not working, use instructions F0 to F9 instead of them.

To terminate the connection press key.

To reestablish connection – if you use the same modem to dial the remote system again enter only **F6**.

If you call another control panel which has the same remote access code, but different tel. number, it is not necessary to reenter entire sequence above, but only **nnn...n F4** – i.e. telephone number to the system and F4 for to start tone dialing (or F5 for pulse dialing).