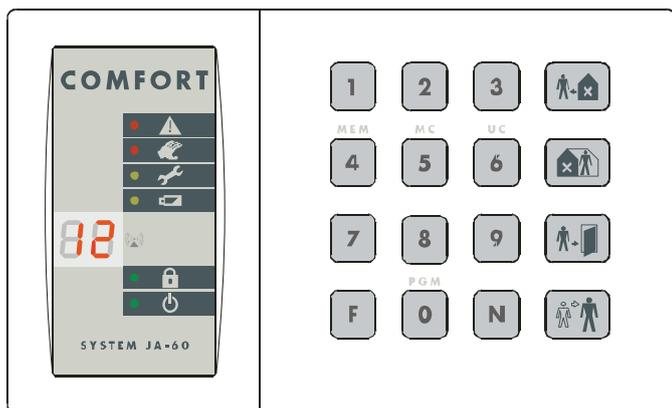


# The JA-60E wire operated keypad



The JA-60E is an optional keypad for the JA-60, JA-63 or JA-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.

## Installation

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

- 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 colours 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 dialler 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):

	<b>Setting (Arming)</b> (equal to F1 entry)		<b>Door opening</b> (equal to F3 entry)
	<b>Partial setting</b> (equal to F2 entry)		<b>Panic (access under duress)</b> (equal to F7, before access code entry)

**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.

The meaning of symbols on the keypad LED indicators:

	Alarm		Power supply
	Tamper		Set (Armed)
	Fault		Battery
	Wireless communication indication		

## Remote access to the system

The JA-60E keypad can be used to operate and to program a remote system (JA-60, JA-63 or JA-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 FE61007 and JA-60U version DY62012 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:

**xxxxxxx F1 a F2 ttt...t F3 nnn...n F d**

where:

- xxxxxxx** 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** dialling 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 re-establish 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 re-enter entire sequence above, but only **nnn...n F4** – i.e. telephone number to the system and F4 for to start tone dialling (or F5 for pulse dialling).

## Specifications

<b>connection</b>	<i>with cable to the JA-60 digital bus connector</i>
<b>connecting cable</b>	<i>4 core cable with RJ connectors (4/4 1:1) or ordinary telephone cable (terminals)</i>
<b>length of the cable</b>	<i>max. 100 m</i>
<b>power supply</b>	<i>10 – 14 V (taken from the digital bus)</i>
<b>power consumption</b>	<i>40 mA when the system is normally powered</i>
	<i>25 mA when the system is powered by the back up battery</i>
<b>enclosure</b>	<i>IP40</i>
<b>complies with</b>	<i>EN 50131 grade 2</i>
<b>environmental class</b>	<i>II indoor general -10 to +40°C</i>
<b>Also complies with</b>	<i>EN 50130-4, EN 55022</i>

**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	crimping tool for RJ connectors
CT-04	cable for RJ connectors



JABLOTRON ALARMS a.s. hereby declares that the JA-60E is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC EMC. The original of the conformity assessment can be found on the web site [www.jablotron.com](http://www.jablotron.com), Technical Support section.



**Note:** Dispose of batteries safely depending on battery type and local regulations. Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the manufacturer after use.

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