

# The JA-63E digital bus wired keypad

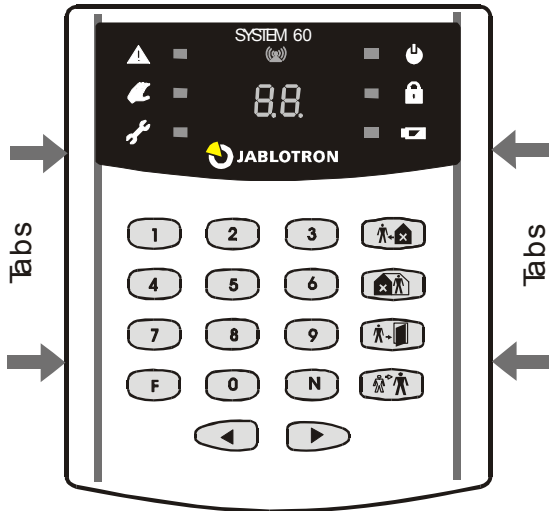
The JA-63E keypad is designed to control and program alarm systems of Jablotron's JA-6x series. The keypad is equipped with backlit keys, built-in LED signalling, acoustic signalling, and a display. It conveys information about the system status in a convenient way. The keypad communicates via the control panel digital bus. You can connect the keypad to the control panel via an RJ cable or via a standard communication cable connected to terminals. Multiple JA-63E keypads can be connected to a single control panel.

Any undesirable mishandling of the keypad (like opening its housing or tearing the keypad off its position) will trigger tamper signalling. In addition, the number of attempts to enter an access code is checked not to exceed a given limit.

## Installation

Select the desired keypad location close to the building's entrance.

1. Open the keypad's rear housing (by pressing the two tabs on the left or right side).
2. Route all required cables through the hole in the rear housing and install the housing to the desired location.
3. Connect the digital bus cable either to the terminal board or to an RJ connector.
4. Close the keypad's housing (attach the front housing on one side and push it on the other side).
5. Switching on the control panel power makes the keypad ready for operation.



## Installation notes:

**Multiple JA-63E keypads in the system** must be wired in parallel. Inlet cables can be split directly in the control panel, in a converter, in the keypad or in a junction box. RJ cable connection and connection to terminals can be used in combination.

**A connecting cable** must be wired so that the corresponding positions (terminals) are connected. When you use a self-made RJ cable, be careful to connect identically coloured wire ends to identically marked positions (terminals).

**If the keypad does not function after being connected**, disconnect the inlet cable and check if the corresponding positions (terminals) in the control panel and the keypad are connected.

## Operation

The keypad can operate and program the system to the full extent as it is described in the control panel manual.

The following table describes the meaning of symbols on the keypad LED indicators:

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

Functions F1 through F0 can be used as described in the control panel manual. Besides this, there are 4 extra keys with the following functions:

	<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)

## Remote system access

The JA-63E keypad allows you to remotely operate or program a JA-6x system via a phone line using a JA-60U modem. Such operation requires the system to be equipped with a telephone communicator with the remote access feature enabled (see the security system installation manual).

**Note:** Remote system access via the JA-63E keypad is only possible using a JA-60U modem of DY62012 version or higher.

**Connecting remotely to the system:** Connect the JA-60U modem to the phone line. Connect the JA-63E keypad cable to the modem's data connector. After powering up the modem, the keypad will show a **u** on the display to indicate that it is ready to establish a connection.

The initial connection is established by keying in:

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

where:

- xxxxxxx** is an 8-digit access code for system remote access
- y** answering machine bypass (a so-called second call) 0-not bypassed, 1-bypassed
- ttt...t** call back tel. number – if call back is not requested just enter F3 after F2
- nnn...n** the remote system tel. number (a pause can be specified by keying in F0)
- d** dialling method: 4-tone, 5-pulse

After the **d** parameter is entered, the modem will establish a connection and the keypad will display the remote system status. The keypad then behaves the same way as if it had been connected directly to the system. Depending on the quality, the telephone line might be slower in its response. A JA-63 remote connection disables the 4 big keys on the keypad's right side. Use keys F0 to F9 instead.

The connection is terminated by pressing key

**A re-connection** (using the same modem) is established by entering **F6**. The connection parameters are memorized.

If you perform a call to a control panel which has the same access code but a different telephone number, you do not need to re-enter the whole connecting sequence. Instead, it is sufficient to key in **nnn...n F4** – i.e. the control panel tel. number followed by one of the F4/F5 keys (depending on the tone/pulse dialling method).

## Technical specifications

<b>Connection</b>	with a cable to the JA-6x digital bus connector
<b>Connecting cable</b>	4 core cable with RJ connectors (4/4 1:1) or ordinary telephone cable (terminals)
<b>Length of the inlet cable</b>	max. 100 m when a paired cable is used
<b>Power supply</b>	10 – 14 V (taken from the digital bus)
<b>Power consumption</b>	25mA
<b>Enclosure</b>	IP40
<b>Dimensions</b>	125 x 145 x 30 mm
<b>Complies with</b>	EN 50131-1, EN 50131-3 grade 2
<b>Environmental class</b>	II indoor general -10 to +40°C
<b>EMC</b>	EN 50130-4, EN 55022
<b>Contents of the kit:</b>	JA-63E keypad, 4 m of connecting cable, 4 rawl plugs, 4 screws, 2 RJ-44 connectors.
<b>Accessories – for keypad connection (can be ordered separately):</b>	converter from RJ connector to 4 terminals
RJ-40	RJ connector splitter (2/1)
RJ-21	cable connector (4P/4C)
RJ-44	crimping tool for RJ connectors
RJ-00	cable for RJ connectors
CT-04	



JABLOTRON ALARMS a.s hereby declares that the JA-63E is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC. The original of the conformity assessment can be found at [www.jablotron.com](http://www.jablotron.com), Technical Support section.



**Note:** Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the producer after use. See [www.jablotron.com](http://www.jablotron.com) for details.

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