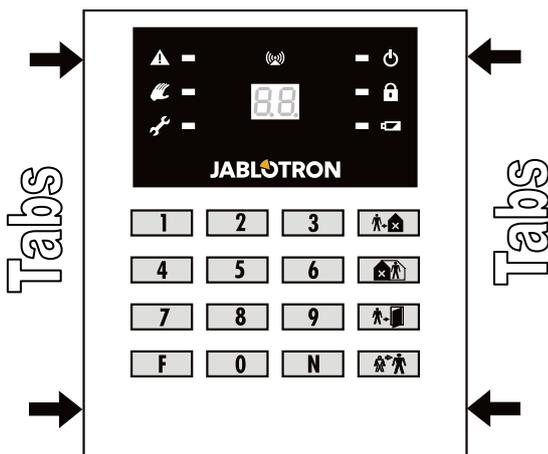# The JA-63F wireless keypad

The JA-63F keypad is designed to control and program alarm systems of Jablotron's JA-60 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 wirelessly.

The keypad has a **single input which is designed for door contact connections**. 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. The keypad performs regular auto-testing and reports its condition (including loss of communication) regularly to the system for full supervision.

Installation

Select the desired keypad location close to the building's entrance. Under optimum conditions in an open area, the keypad's communication range is about 80 meters. Indoors the distance of the keypad from the control panel should not exceed 20 meters. Before fixing to the desired location check the keypad's radio communication with the control panel. The need for a good quality radio connection must be taken into account during installation. **The keypad communicates bi-directionally and any radio communication obstructions or interference can reduce the operating distance.**

1. Open the keypad's rear housing (by pressing the two tabs on the left or right side).
2. Enter enrollment mode on the control panel (see the control panel installation manual) and insert the battery into the keypad.
3. Battery insertion will trigger enrollment to the control panel.
4. Exit enrollment mode by pressing the N key and test the keypad functions from the desired location.
5. When using with an external door detector, wire up the detector to the INP and GND terminals.
6. Mount the rear housing onto the desired location.
7. Close the keypad's housing (attach the front housing on one side and push it on the other side).

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:

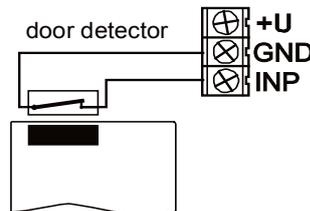|			
	Setting (Arming) (equal to F1 entry)		**Door opening** (equal to F3 entry)
	Partial setting (equal to F2 entry)		**Panic** (access under duress) (equal to F7, before access code entry)

Keypad sleep mode

When battery-powered, the keypad saves energy by turning itself off after 10 seconds of inactivity. **After then, the keypad will not indicate system status, neither will it be able to indicate acoustically that an entrance delay has begun.** The keypad is woken up by pressing any key or triggering a connected wired door detector.

If the keypad unit is powered by an AC adaptor there is no sleep mode. The system status is indicated permanently and the keypad is also capable of acoustic indication.

External door detector

If a door detector is wired up then its triggering (by the detector's loop disconnection) has the same effect as pressing a key. This will exit keypad sleep mode and the keypad will display the current system status. If the system is set (armed) then the entrance delay will start – this means that the keypad will simultaneously behave as a door detector.

Short circuit terminals INP and GND if the input is not used.

Note: The lifetime of the battery is reduced proportionally to how frequently the door detector is triggered and how often and how long the keypad is battery-powered.

Optional power adapter

If you want the JA-63F keypad to indicate the system status permanently, it should be powered by an external power adapter with an output voltage of 12 V DC (stabilized). We recommend use of the Jablotron DE06-12 power supply.

To install the keypad with an adapter, follow the installation instructions as above but connect the adapter outlet to the keypad terminals with the adaptor unpowered (make sure the polarity is correct) before inserting the battery. After enrollment, plug the adapter into the power socket. Even when using an adapter a battery should still be present in the keypad so that backup power supply can be ensured. Do not use rechargeable batteries!

Optional external antenna

External antenna AN-01A can be used in order to increase the operating radio range.. The external antenna should be connected to the corresponding antenna connector on the JA-63F board (on the right side). Follow the antenna's manual instructions when installing the antenna.

Using the keypad for system testing

If the keypad's housing is released (so that the tamper switch is open) then the LED indicators and display indicate system status permanently (sleep mode is suppressed). This way you can pass through the premises with the keypad in your hands and test all the installed components, seeing an exact copy of the control panel's reactions. The keypad should not remain in this test mode after you have finished the testing. We recommend using extra (low cost) batteries for testing. The battery supplied in the package should not be used until the time of system handover.

Battery testing and replacement

The keypad checks the condition of its batteries automatically. If it is necessary to replace the batteries, the keypad will indicate this situation. The keypad will continue to function as before. If a low battery is indicated, it should be replaced as soon as possible (within a week).

Before the batteries are replaced, the control panel must be put into User mode. Only use high quality alkaline AAA batteries for replacement. Correct installation of a battery will be indicated acoustically by a beep.

Specifications

Power supply	4x Alkaline battery type LR6 (AA) 1.5 V or 12 V DC / 100 mA power adaptor Please note: Batteries are not included
Battery life time	typically 1 year
Number of keypads in a system	max. 8 control devices
Communication band	433.92 MHz
Communication range	max. 80 m (open area, no interference)
Access codes	identical to control panel (1 +14)
Door detector input	IN = Normally closed
Enclosure	IP40
Dimensions	125 x 145 x 30 mm
Clacification EN 50131-1	Security grade 2
Complies with	EN 50131-1, EN 50131-3, ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1
Environmental class	II indoor general, -10 to +40 °C
Can be operated according to	ERC REC 70-03
The package contains:	JA-63F keypad, 4 dowels&screws

CE

JABLOTRON ALARMS a.s. hereby declares that the JA-63F is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at www.jablotron.com - Section Downloads.
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.

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CREATING ALARMS

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