The JA-80E hard-wired keypad

The JA-80E is a component of Jablotron's Oasis 80 alarm system and is designed to control and program the system. It has a built-in proximity access card reader and allows the wiring up of a separate door detector. The keypad should be wired to the control panel.

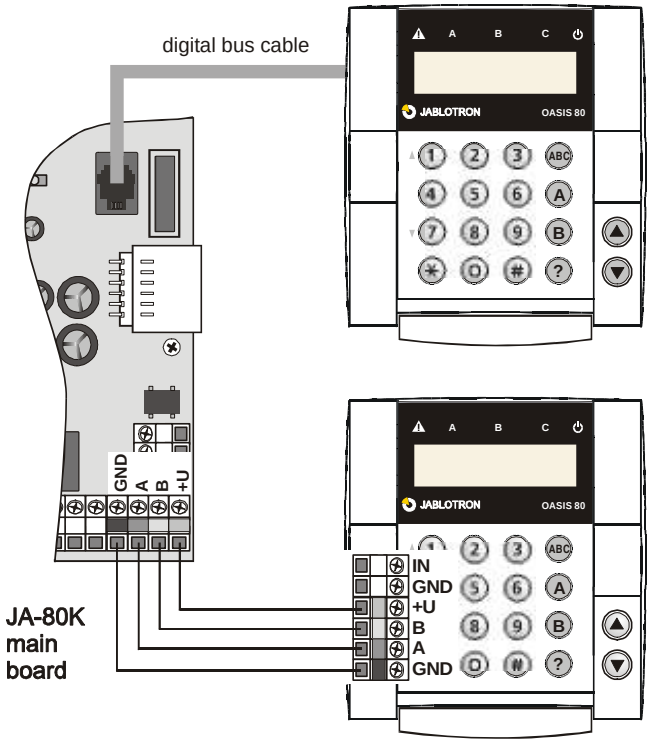
Installation

Installation shall only be undertaken by technicians holding a certificate issued by an authorized distributor. The keypad is for indoor installation only, typically by a main entrance door.

1. **Open the keypad housing** (by pressing the tab on the bottom) and disconnect the inter-housing connection cable inside (by pulling the connector from the board).
2. **Install the rear housing** to the desired location.
3. **Connect the control panel bus cable. There are two possibilities**:

- Use a flat telephone cable with RJ connectors (max. 10 metres). There is a digital bus connector in the control panel, and in the keypad too.
- Use a twisted-pair cable (max. 100m) – the correspondingly marked terminals in the keypad unit and in the control panel should be connected together via the cable (GND, A, B, +U)

4. **Install the external door detector** (if required) and connect its cable to the IN and GND terminals.
5. **Connect the inter-housing cable** to the keypad board. Attach the keypad to the rear housing.
6. Keypad operating instructions are found in the control panel manual.



Keypad menu – language selection and door bell function

If the ∗ key is kept pressed while is being powered-up the internal keypad menu will be displayed allowing the selection of the **desired language**. Using the arrows choose your language and confirm selection by the ∗ key.

In this menu the **door bell function** can also be enabled or disabled (if enabled the keypad makes a sound when its IN input is triggered).

To exit the menu, press # (exiting also occurs after 10 seconds' inactivity).

Notes:

- The keypad power can be switched on by connecting the bus cable or by switching on the control panel power.
- Each keypad has its own menu, i.e. each keypad in the system can have its own unique settings.
- The keypad keeps its settings even if its power is disconnected (settings can only be altered via the keypad menu).

Three minute time-out of displaying the alarm status

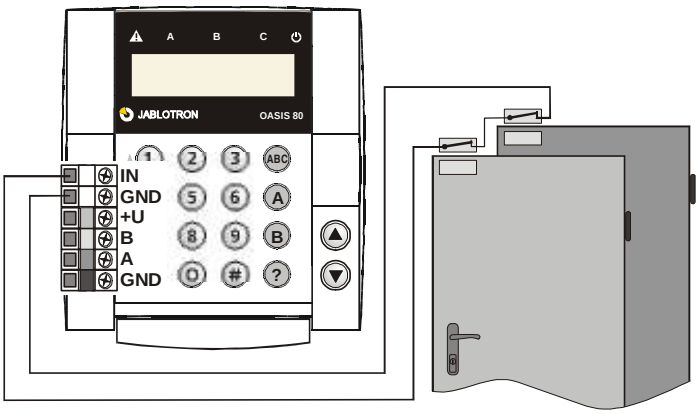
To comply with EN standards the keypad does not indicate the status of the alarm system while the system is set (armed). Indication only returns when the keypad is operated or an entrance delay is triggered. It is however possible to program permanent indication via the control panel, if considered appropriate.

Installing a door detector

It is possible to wire up a detector(s) to the keypad via the IN input. The IN input terminal is triggered when disconnected from GND. The control panel's natural reaction to the IN input being triggered is a delayed intruder alarm (unchangeable reaction).

Notes:

- If the IN input is not used, connect it to GND.
- The IN input only reports to the control panel at the moment of being triggered (a so-called pulse reaction, which means that the keypad cannot signal permanently open doors).



An example of door detector wiring

Disabling the tamper sensor

To disable the tamper sensor, short out the jumper in the keypad unit close to the tamper sensor (equipped with a spring). This is useful when carrying the keypad unit around with a long cable while servicing the system. During normal system use this jumper **must remain open circuited**

Keypad text editing

There are two kinds of text: device and code names (displayed on the second line after the address number), and other system text.

The names can be edited via the keypad after pressing and holding the **?** key in service mode – see the control panel installation manual. The edited text is only stored in the keypad unit used for editing. If you use a PC to set the texts, you will set the texts in all keypads.

The most convenient way to edit text is to use a PC running **Comlink** software (via the Devices window). To transfer edited text from a PC to the keypad, the keypad has to be connected to the Oasis system's digital bus as normal (i.e. one cable from the keypad to the control panel, and another cable from the control panel to the PC). If there are multiple keypads, they can all be connected together (via the digital bus) while transferring edited text from the PC, or you can transfer text to each keypad, one at a time. We recommend using a digital bus splitter (model BS-84). Comlink software also allows editing of the keypad's system text (see the menus: Setting/Keypad Text).

Technical specifications

Power	*via the control panel bus*
Standby consumption	*30mA*
RFID cards	*Jablotron PC-01 or PC-02 (EM UNIQUE 125kHz)*
Length of digital bus cable	*max. 100m*
Door detector input	*IN = normally closed loop*
Dimensions	*113 x 121 x 63 mm*
Environment according to EN 50131-1	*II. internal*
Operating temperature range	*-10 to +40 ℃*
EN 50131-1 and CLC/TS 50131-3 classification	*class 2*

FCC ID: VL6JA80E

Jablotron Ltd. hereby declares that the JA-80E is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC and complies with part 15 of the FCC rules. Operation is subject to the following two conditions: 1. This device may not cause harmful interference, and 2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications no expressly approved by Jablotron could void the user´s authority to operate the equipment. The original of the conformity assessment can be found at 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.

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