

# The JA-80H outdoor keypad and RFID card reader



The JA-80H is a component of Jablotron's Oasis 80 alarm system. It is designed to control access (door lock) or to control a security system and connects to the Oasis control panel via a WJ-80 interface.

Alternatively it can be connected to an AS-80 unit as a part of a stand-alone access system.

The keypad sends data in Wiegand 26b format.

## Installation

Installation shall only be undertaken by technicians holding a certificate issued by an authorized distributor. It is usually placed near an entrance door (equipped with an electric lock). The keypad can be used outdoors (conforms to IP-65).

1. Open the rear cover by unscrewing the screw
2. Prepare a hole in the wall for the keypad cable to pass through, where the keypad will be located.
3. Attach the rear cover to the desired location (the tamper spring must be properly pressed)
4. Pull the keypad cable through the wall hole and to the interface unit's box (WJ-80, AS-80)
5. Attach the keypad to the rear cover and secure it using the screw
6. Connecting and setting up the keypad is described in the WJ-80 or AS-80 manuals.

## Cabling

wire	signal
red	+12V (power supply, 60mA)
green	D0 (Wiegand 26b data output)
brown	D1 (Wiegand 26b data output)
white	TMP (normally closed tamper contact)
grey	TMP (normally closed tamper contact)
yellow	BZR (input controlling keypad sound – connecting to GND generates a beep on the keypad)
blue	GND (common ground)
pink	not connected

## Configuring the keypad for operation with the WJ-80

If the JA-80H keypad is connected to an Oasis control panel via a WJ-80 and it does not work as described in the manual, then it is not set to the correct (factory default) operational mode. In such a case:

1. Switch the Oasis control panel to service mode
2. Disconnect the power from the control panel (mains and battery)
3. Disconnect the yellow and brown keypad wires from the terminals and connect them together.
4. Power-up the control panel (keypad starts beeping)
5. Disconnect the yellow and brown wires (beeping will terminate)
6. On the JA-80H keypad, press button 4 (beeps once) and then button 3 (beeps several times)
7. Disconnect the power from the control panel, connect the yellow and brown wires back up, power-up the control panel and check the proper functioning of the JA-80H keypad

## Technical specifications

Power supply	10 to 16V
Stand-by consumption	typically 60mA

Note: The red LED is lit in Oasis normal operating mode. Pressing a button is confirmed by a flash from the orange LED.

How to set up the JA-80H keypad for the AS-80 access system is described in the AS-80 manual.

Housing	IP65 (EN 60529)
Mechanical resistance	IK08 (EN 50102)
Working environment	class IV(EN 50131-1)
Operational temperature	-25 to +60°C
RFID card	Jablotron PC-01 or PC-02 (EM UNIQUE 125 kHz)
Dimensions	46 x 150.5 x 22.5mm
Length of the connection cable	1m
Complies with grade 2 (EN 50131-1, TS 50131-3)	
Complies with	ANSI C63.4
Can be operated according to ERC REC 70-03, FCC Part 15	

FCC ID VL6JA80H

**CE** Jablotron Ltd. hereby declares that the JA-80H 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.

The original of the conformity assessment can be found at [www.jablotron.com](http://www.jablotron.com), Technical Support section CAUTION: Changes or modifications no expressly approved by Jablotron could void the user's authority to operate the equipment



**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.

