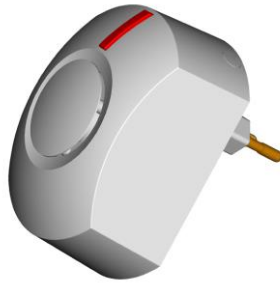# The JA-80L wireless internal siren

The JA-80L is a component of JABLOTRON ALARMS' OASiS 80 alarm system. The siren is mains-powered and communicates via OASIS wireless protocol. It can be used as an indoor alarm siren, a sounder for entrance and exit delay beeps and a detector-triggered chime. It also sounds when an intruder alarm has been triggered and confirms the actual presence of an intruder in the building by sending a tamper signal when it gets unplugged.

It can be used as a stand-alone device – as a wireless doorbell or for calling for help.

In combination with a smoke or gas detector it will set a two minute warning alarm for fire danger.

Enrolling the JA-80L to an OASiS control panel

1. Switch the control panel to service mode and key in 1 (to enter enrollment mode).
2. Plug the siren into a mains socket. The JA-80L indicator will turn on and off which confirms enrollment.
3. Exit enrollment mode by pressing the # key on the system keypad.

Notes:
a) *Several sirens can be enrolled to the control panel if desired.*
b) *If the siren fails to enroll (its indicator will not turn off), check:*
   - *Is the control panel in enrollment mode ?*
   - *Is the siren set to factory default settings ? If not, reset the siren.*
c) *An enrolled siren generates a siren sound if an alarm is triggered in the control panel, and can generate beeps for entrance and exit delays (programmable in the control panel).*
d) *The siren can be simultaneously used as a wireless doorbell or a detector-triggered chime. To do this the doorbell button and the relevant detectors have to be enrolled to the siren (after the siren has been enrolled to the control panel – see later text).*
e) *If the siren gets unplugged from the mains while sounding an alarm, the siren immediately sends a tamper signal to trigger a tamper alarm in the control panel.*

The siren's radio signals can be checked and measured by the control panel in service mode. To make the siren transmit a test signal, press its button.

Additional siren settings

The siren can acoustically signal **setting the system** (1 beep) **and unsetting the system** (2 beeps). To enable this feature briefly press the siren's button three times (confirmed by two beeps). Use the same procedure to disable the feature (confirmed by one beep).

It is possible to go to other menu levels by holding the siren button (must be plugged into the mains). When the button is released the state of the currently chosen setting is changed. Each settable state is announced by a different number of beeps.

1. hold for approx. 3s – to change the volume (doorbell melody, chirps), it has no effect on the sound of alarms
2. hold for approx. 6s – beeps 1x – alarm restricted to PGX – the siren sounds when the control panel is in alarm state and the PGX output is active
3. hold for approx. 9s – beeps 2x – alarm restricted to PGY - the siren sounds when the control panel is in alarm state and the PGY output is active
4. hold for approx. 12s – beeps 3x – the LowBAT signal will be transmitted to the control panel every time when the siren is disconnected from the mains
5. holding the button longer will exit the setting and it will be confirmed by a long and then a short beep.

An alarm restricted to the PGX or PGY outputs is suitable for a split system where PGX will be assigned to alarm A and PGY to alarm B.

Enrolling a doorbell button to the JA-80L siren.

Up to 8 wireless buttons of the type RC-8x can be enrolled to the siren as follows:
1. Plug the siren into a mains socket and if its indicator starts flashing, then enrolling devices to the siren can begin. In this case, the siren still has factory-default settings, i.e. no devices have been enrolled yet. If the indicator is continuously lit after the siren is plugged in, then press and hold it (while it is lit) until it starts flashing. This means that something has already been previously enrolled and the mode being opened now is for adding more devices.
2. An RC-8x can be enrolled by activating it (pressing its button). Successful enrollment is confirmed by a melody sound. By activating the RC-8x repeatedly, you can scroll through the 8 possible melodies which can be linked to RC-8x activation.
3. If all the desired RC-8x units have been enrolled, exit the siren's enrollment mode by pressing its button. This method allows the buttons to be added to the previously enrolled devices

Detector- triggered chime mode

If it is desired to indicate the triggering of a wireless JA-8x detector by a chime sound, then enroll the detector to the siren as follows:
1. Plug the siren into a mains socket. If its indicator starts flashing, detector enrollment can proceed immediately (no previously enrolled devices).

If however, **the indicator lights continuously,** press and hold the siren button (while it is lit) until it starts flashing (devices previously enrolled)**.**
2. **To enroll a detector,** press and release its tamper switch**.** A sound is then heard (by pressing and releasing the tamper switch you can scroll through the 8 possible melodies for linking to the detector).
3. After all the desired detectors have been enrolled, exit enrollment mode by pressing the siren button.

*In addition to chime sounds being activated by detector triggering, they can also be activated by a **JA-80F keypad's IN input** being triggered (to enroll a keypad, press and release its tamper switch).*

Alarm siren for wireless fire detectors

If you want to use a JA-80L siren for transmitting an alarm from a wireless fire detector (JA-80S and JA-80G), enroll the detector to the siren as follows:
1. Insert the siren into the wall socket. When it starts to flash you can enroll the detector to it immediately (no device was previously enrolled to the siren)
   If the light lights constantly, press and hold the button till the light starts to flash. (some devices are already enrolled to the siren)
2. **Enroll the detector by inserting batteries into the detector** – the siren will play the sound of a doorbell
3. After you have enrolled all detectors press the siren's button to exit enrolling mode.
4. When testing a detector by pressing the test button the siren plays a melody. Never use an open fire to test the detector anywhere indoors. To test using smoke use a special testing aerosol. The siren sounds when testing using a test aerosol.

NOTE: If you want to use a JA-80L siren to sound an alarm signal from wireless detectors, the siren can't be used with an OASiS control panel at the same time – it must be used separately.

Maximum number of enrolled devices

Up to 8 RC-8x units or detectors, and a single OASiS JA-80 control panel can be enrolled to a single JA-80L siren. Each one of these things can be enrolled to as many sirens or other receivers as desired.

Deleting all enrolled devices (RESET)

All enrolled devices can be deleted as follows:
1. Unplug the siren from the mains socket.
2. Press and hold the siren button while plugging in the siren again.
3. Keep the button pressed until two beeps are heard which confirm a reset.
4. The indicator keeps flashing (device enrollment mode).
5. To exit enrollment mode, press the siren button (indicator turns off).

If the indicator fails to flash after the two reset beeps, it means that the siren is within radio range of the control panel to which it has been previously enrolled. In such a case, all devices previously enrolled to the siren have been deleted except for the control panel. If you deliberately do not want to use the siren with the control panel anymore, it must first be deleted in the control panel before resetting the siren (in control panel enrollment mode select the siren's address and press and hold key 2 on the system keypad to delete the siren).

Indicator functions

In normal use, the indicator flashes when the doorbell button is pressed or when the siren sounds. If the siren is enrolled to an OASiS control panel, then it indicates the status of the programmable output PGY with a continuous light. The indicator flashes in enrollment mode.

Technical specifications

Power supply	*230V/50Hz, 1W, class protection II*
Communication band	*868 MHz, OASiS protocol*
Communication range	*approx. 100 m (open area)*
Sounds (melodies)	*8 selectable for buttons and detectors, and an alarm siren sound 95 dB / 1 m*
Max. number of enrolled devices	*1x OASiS JA-80 control panel 8x OASiS wireless buttons and detectors*
Operating environment	*general, indoor –10 to +40 °C*
Dimensions, weight	*90 x 64 x 80 mm, 110 g*
Housing	*IP40 according to EN 60529*
Mechanical immunity	*IK08 according to EN 50102*
Operating conditions	*ERC REC 70-03*

The JA-80L complies with ETSI EN 300220, EN 50130-4, EN 55022 and EN 60950-1

CE JABLOTRON ALARMS a.s. hereby declares that the JA-80L is in compliance with the essential requirements and other relevant provisions of Directive 99/5/EC. 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.

JABLOTRON

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