

# The JA-80L wireless internal siren

The JA-80L is a component of Jablotron's Oasis 80 alarm system. It can be used as the following:

- An indoor alarm siren
- A wireless door bell
- A detector-triggered chime
- A sounder for entrance and exit delay beeps
- Thief verification

The siren is mains-powered and communicates via OASIS wireless protocol. It can form part of an alarm system or be used as a stand-alone device. When used as part of an alarm system, it 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. Installation shall only be undertaken by qualified technicians holding a training certificate issued by an authorized distributor.



## 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.

The siren can also indicate setting (arming) the system by a single beep and unsetting (disarming) by two beeps. To enable these beeps press the siren's button three times in rapid succession. Two beeps confirm the successful activation of this feature. To disable this feature simply press the button three times as before. Confirmation is indicated by a beep.

## 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

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## 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).

## 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).

## Sound volume

The siren has two selectable sound volume levels. To switch between these two levels, press and hold the siren button while the unit is still plugged into a mains socket (the volume selected is indicated by a sound). This volume setting only has an effect on doorbell sounds, detector-triggered chime sounds and entrance/exit beeps. Alarm siren sounds are always set to maximum loudness.

## 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
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
Safety class	II according to EN60950
Operating environment	general, indoor -10 to +40 °C
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, ETS 300683, and EN 60950	



Jablotron Ltd. hereby declares that the JA-80L is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The original of the conformity assessment can be found at [www.bisalarmes.com](#)