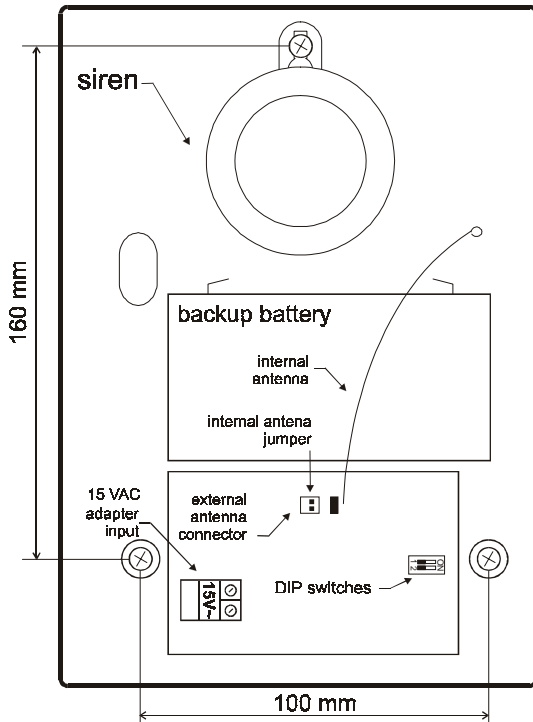


JA-60A Wireless siren

The JA-60A siren is designed for outdoor use. It is powered from its own AC adapter and has a built in back up battery. The siren communicates wirelessly with the control panel (two way communication). It contains a high powered siren and a flashing light with a colored lens. In addition to signaling alarms, it can also provide arming and disarming chirps. The siren makes regular auto testing and reports its condition regularly to the system for full supervision. Built in tamper sensors trigger an alarm if there is any attempt to tamper with the siren. Only one JA-60A siren can be used with a JA-60 or JA-65 control panel.



Specifications

power	15V AC (adapter included)
back up battery	6V, 1.3Ah (included)
working range	up to 100m (open area)
siren	piezo electric, 118dB
siren timer	by control panel, max. 19 min
flash light timer	1 hour
cover class	IP44
working environment	outdoor use, -25 to +60°C
complies with	EN 50131-1, class 2

Set Contents: siren, A.C. adapter, back up battery (enclosed), 3 screws, 3 plastic dowels, 5 meters of power cable.

Installation

The siren location should not be easily accessible. Do not place the siren close to gutters where ice could cover the siren in winter.

- select location for the AC adapter (must be indoors)
- install cable from the adapter to the desired siren location, **do not plug the adapter into the wall yet**
- remove the two plastic caps on the bottom side of the housing (with knife or other flat instrument)
- unscrew the screws located under the caps
- open the cover slowly
- select optional functions with DIP switches
- attach the siren bottom part to the desired location (first install the top screw, then hang the siren on it and mark the positions of the lower two screws)
- route the adapter cable to the siren and then tighten the lower screws (the left screw in the plastic bracket is part of the tampering detector)
- connect the cable to 15VAC terminals (arbitrary polarity)
- connect the back up battery (flat connector)
- reattach the siren cover

Enrollment of the siren to the system

Study the system installation manual to learn how to enroll wireless items.

- enter the enrolling mode on the control panel
- plug in the AC adapter (siren will generate an enrollment signal)
- the siren will confirm enrollment with a short sound signal

If you need to enroll a siren which is already powered and it is not possible to switch its power off easily (for example after a control panel reset), you can enroll it the following way: enter the control panel's enrolling mode and then enter the 6 digit siren production code (printed in the siren's manual) from the control panel's keypad. The control panel will automatically "request" the JA-60A siren to send its enrollment signal. The siren will send the signal only if it has no current communication with any other control panel (This protects you from enrolling your neighbor's siren). Enrollment takes about five seconds after the code is entered.

Note: if it is impossible to enroll the siren to the control panel, it can be the result of a weak radio signal (to long of a distance, interference etc.). In this case the siren's optional external antenna AN-01 can be used. Connect the optional antenna to the external antenna connector inside the siren and disconnect the internal antenna jumper. Fix the external antenna on the wall (see drawing in the optional antenna bag).

Optional functions

There are two DIP switches which can change the siren functions:

#1 arming and disarming chirp sounds

position 1 – the siren will not indicate arming and disarming
position ON – the siren will confirm arming with a beep and disarming with two beeps (3 beeps after disarming indicates user information on the control panel). The JA-60A will also indicate a system problem if function 391 is enabled on the control panel (indication of system problems when arming). The JA-60A siren chirp sound settings are valid even if function 360 is programmed in the control panel (control panel chirps disabled) or 380 is programmed (wireless siren alarm indication disabled).

#2 visual indication of the siren (system) status

position 2– the flashing light will make a short flash every 30 seconds if the siren's auto testing is O.K. (=siren is ready).
position ON – the flashing light will make short flashes regularly every 10 seconds when the alarm system is armed.

Siren function

If an alarm is triggered the siren will sound until the control panel alarm finishes. The light will flash for 1 hour or till the system is armed.

Tampering of the siren will trigger the "TAMPER A" alarm on the control panel. If there is some technical trouble detected in the siren or lost communication with the siren, the control panel will indicate this as "Fault A". AC power or backup battery problem is signalized as "Battery A".

The alarm function of the wireless siren can be disabled in the control panel (with programming sequence 380). Even if the alarm function is disabled with this setting, the optional siren functions will work, corresponding to the settings of jumpers J1 and J2. The control panel will also continue to confirm the presence of the JA-60A siren.

The siren requires no maintenance. The back up battery is charged automatically. The lifetime of the back up battery is about 5 years. We recommend its replacement after this period.

Note: if you erase the outdoor siren from the control panel (in the enrolling mode or with a factory default reset), then the control panel will ignore signals from the siren. However the siren will react to the control panel signals. To erase the control panel from the siren disconnect the siren AC adapter and back up battery for more than 20 seconds.

Warning: the control panel must be in the programming or user mode before any changes are made with the siren. Any unauthorized changes will trigger an alarm.

The manufacturer has no liability for consequences caused by incorrect installation or improper use of the siren



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