

JA-111A Bus external (outdoor) siren

The JA-111A is a component of the **JABLOTRON 100** system. It is used for system alarm indication outside a building. It can also be used for supplementary acoustic signalling. The siren is equipped with a backup battery which powers the siren during tamper alarm reporting when the connection to the digital bus is severed. The siren should be installed by a trained technician with a valid certificate issued by authorized distributor.

Installation

The siren should be installed on a vertical wall, with the flasher facing downwards. Avoid installing the siren near the gutters and on other places where is a danger of ice accumulation.

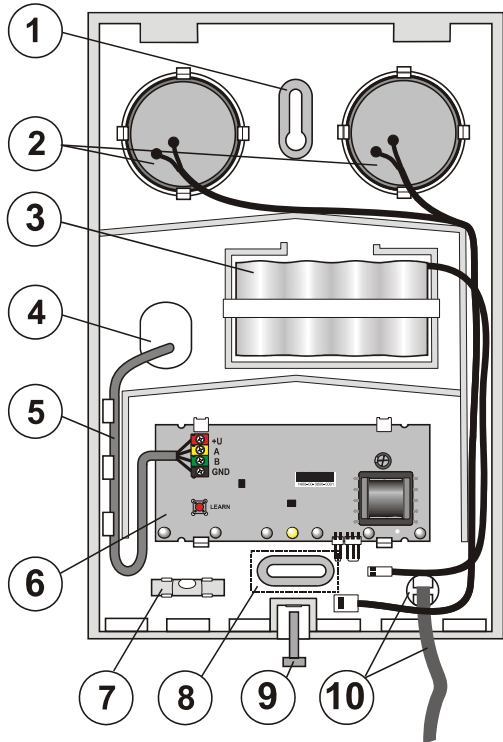


Figure: 1 – mounting hole; 2 – two piezzo sirens; 3 – NiCD battery; 4 – hole for cable; 5 – bus-cable; 6 – PCB; 7 – spirit level; 8 – mounting hole with detection of tampering; 9 – front cover screw; 10 – string with clip connecting the front cover for easy installation

1. Open the external siren cover by releasing the screw (9).
2. Push the bus cable (5) through the hole (4) in the bottom part and secure it using prepared plastic tabs.
3. Attach the siren to a suitable place using 2 screws through the holes (1) and (8). The spirit level can be used for easy installation (7).



When connecting the siren to the digital bus, always switch the power off.

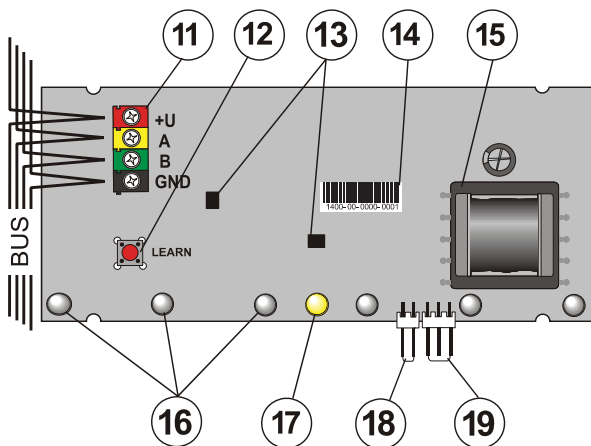


Figure: 11 – bus terminals; 12 – enrollment button; 13 – tamper sensors; 14 – production code; 15 – high-voltage transformer; 16 – high-intensity red LED flashers; 17 – yellow fault indicator; 18 – backup battery connection; 19 – piezo siren connection (attention: high voltage)

4. Connect the bus cable to the terminals (11).
5. Connect the backup battery to the connector (18).
6. Proceed according to the control panel installation manual. Basic procedure:

- a. When the siren is switched on, the yellow LED (17) indicates that the siren has not been enrolled into the system.
- b. Go to the **F-Link** program, select the required position in the **Devices** window and launch the enrollment mode by clicking on the **Enroll** option.
- c. Press the enrollment button (12) – the siren is thus enrolled and the yellow LED indicator goes off.
7. Put back the siren cover and attach it using screw (9).
8. The siren can be tested by F-Link software by clicking the Test button in the Internal settings option. After clicking the button the siren sounds for three minutes and after that flashes for one minute.

Internal settings of the siren

The siren properties can be set in the **Devices** window of the F-link program. When at the siren position, use the **Internal settings** option to open a dialog window where you can set: (default settings are marked *):

Sections: to set for which sections the siren should indicate an alarm, as well as setting chirps. The default setting is indication for all sections.

Reaction: defines whether the siren should indicate **EW*** (external warning) or **IW** (internal warning); Alarm indication can also be disabled completely (other functions remain enabled).

Siren chirps: interrupted*, uninterrupted.

Alarm indication length: 1, 2, 3*, 4, 5 minutes.

Chirps during section control YES / NO* if enabled, the siren chirps once upon setting and twice upon unsetting and three times upon unsetting after alarm. The signalling works for the preset sections only.

Flash for 30 minutes after an alarm: YES / NO* extended flashing can be terminated by new system setting or cancellation of alarm indication in the system (with a keypad).

Flashes every 60 seconds: YES / NO* optional indication of siren functioning.

PG output activity indication

The siren can indicate PG output activity with its chirps.

Chirp 1 – slow chirping - 1 per second (for the whole period when the PG is active)

Chirp 2 – rapid chirping - 2 per second (for the whole period when the PG is active)

Chirp 3 - 1 chirp when the PG is activated, 2 chirps when the PG is deactivated

Chirp 4 – a long 20 sec chirp when the PG is activated

Priorities of the sound

The siren sound has the highest priority, the control chirps have a lower priority and the PG output activity indication has the lowest priority (PG1 has a higher priority than PG2 etc). The chirp with a higher priority always terminates the chirp with a lower priority.

Loss of communication with the control panel

If the power supply wire is severed, the siren keeps sounding and flashing for 3 minutes (this function does not work in service mode). If the system power supply is disconnected due to low control panel's battery (long lasting power failure) then the siren does not sound and flash.

Technical specifications

Power	from control panel digital bus 12 V (9...15 V)
Current consumption in standby mode	5 mA
Current consumption for cable choice	50 mA
Backup battery	NiCd pack 4.8 V / 1800 mAh lifetime approx. 3 years
- minimum loaded voltage	4.0 V
- maximum unloaded voltage	6.0 V
	reusable battery strap
Piezo electric siren	110 dB/m (with fully charged battery)
Dimensions	200 x 300 x 70 mm
Classification	Grade II
according to	EN 50131-1, EN 50131-4
IV environment class	general outdoor -25 to +60°C
Security grade	IP34D
Also complies with	EN 50130-4, EN 55022, EN 60950-1



JABLOTRON ALARMS a.s. hereby declares that the JA-111A 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.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. For more detailed information visit www.jablotron.com.