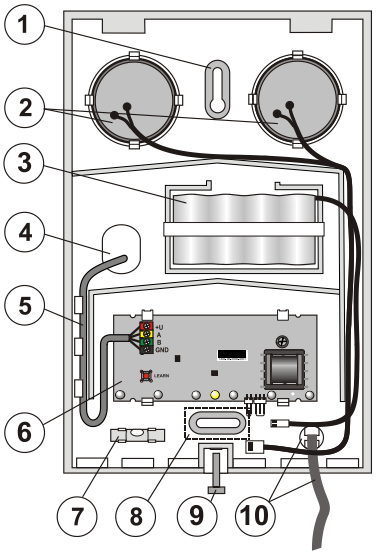
JA-11A RB BUS external siren

*The JA-11A RB is a component of the **JA-10** system. It is used for system alarm indication outside a building and as a pre-sensing tamper detector. 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 JA-11A RB is completed by assembling two parts, the **JA-11A-BASE-RB** base with the PCB and the **JA-1XA-C-WH** cover. The siren occupies one position in the system.*

Installation



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

Figure: 1 – mounting hole;
2 – two piezzo sirens;
3 – NiCd battery with reusable battery strap;
4 – hole for cable;
5 – bus-cable; 6 – PCB;
7 – spirit level;
8 – mounting hole with tamper detection;
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 the 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 system bus, always switch the power off.

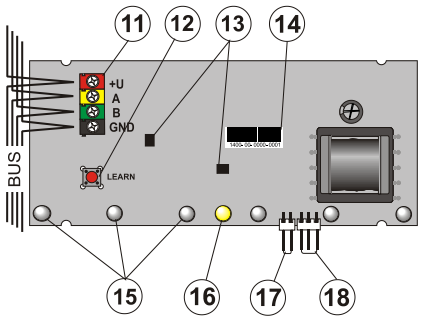


Figure: 11 – bus terminals; 12 – LEARN (enrollment) button; 13 – tamper sensors; 14 – production code; 15 – high-intensity red LED flashers; 16 – yellow fault indicator; 17 – backup battery connection; 18 – piezo siren connection (attention: high voltage)

4. Connect the bus cable to the terminals (11).
5. Connect the backup battery to the connector (17).
6. Proceed according to the control panel installation manual. Basic procedure:
   a. When the siren is switched on, the yellow LED (16) indicates that the siren has not been enrolled into the system.
   b. Go to the ***N-Link*** software, select the required position in the ***Devices*** tab 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 the screw (9).
8. The siren can be tested by N-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 ***N-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 *):

Setting tab:

Acoustic indication of alarms from 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 sound: intermittent*, continuous.

Maximum siren time: No, 1, 2, 3*, 4, 5 minutes. Option 'No' – the siren doesn't indicate alarm acoustically (optical indication remains)

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

Optical indication

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

After alarm expiration: During alarms, until memory erased, 30 minutes after an alarm - the optical indication can be extended until the alarm indication is terminated (by new system setting/ unsetting) or the extended time can be set to 30 minutes after the alarm expiration.

Signalling PG tab:

The siren can indicate PG output activity with its chirps.

The siren can indicate the activity of selected PG outputs with its beeps.

Slow beeping - 1 per second (for the whole period when the PG is active)

Quick beeping - 2 per second (for the whole period when the PG is active)

1xOn/2xOff - 1 chirp when the PG is activated, 2 chirps when the PG is deactivated

20 seconds of beeping – a long 20 s beep when the PG is activated

Sound priorities

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 a discharged control panel battery (long lasting power failure) then the siren does not sound and flash.

Backup battery replacement

The system reports a low battery automatically. The control panel must be in service mode before you start changing the battery otherwise a tamper alarm will be triggered. Use a BAT-4V8 battery only.

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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
(replace the battery when voltage drops down this value)	
- maximum unloaded voltage	6.0 V
	reusable battery strap
Piezoelectric siren	110 dB/m (with fully charged battery)
Dimensions	200 x 300 x 70 mm
Weight without battery	434 g
Classification	Security grade 2/environmental class IV
according to	EN 50131-1, EN 50131-4,
environment	general outdoor
operational temperature range	-20 °C to +60 °C
operational humidity	90% RH, non-condensing
power supply	type W/12 hours backup
certification body	Trezor Test s.r.o. (no. 3025)
Security grade	IP44
Also complies with	EN 50130-4, EN 55032, EN 62368-1, EN 50581

JABLOTRON ALARMS a.s. hereby declares that the JA-11A RB is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/35/EU, 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at www.jablotron.com - Section Downloads.

Note: Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please return the product to the dealer or contact your local authority for further details of your nearest designated collection point.