JA-163A RB Wireless outdoor battery-powered siren

The product is a component of Jablotron systems. It is used for acoustic indication of an alarm outside the building. For the product to work properly, it must be connected to a control panel that has radio communication. The siren is designed to be installed by a trained technician with a valid Jablotron certificate.

Installation

1. Open front cover.
2. Attach the siren onto a suitable place using two screws through the holes (1) and (6). Use the spirit level (5).
3. Connect the lithium battery (3) to the connector (11).
4. Put back the siren cover and secure it using the screw (7).

Enrollment to the system and settings

Depending on the type of control panel, use the recommended software or application, see the control panel manual.

cover type	colour and cover material	strobe colour
JA-1X1A-C-GR	grey plastic	red
JA-1X1A-C-ST	stainless steel sheet	
JA-1X1A-C-WH	white plastic	
JA-1x1A-C-AN	anthracite plastic	
JA-1X1A-C-GR-B	grey plastic	blue
JA-1X1A-C-ST-B	stainless steel sheet	
JA-1X1A-C-WH-B	white plastic	
JA-1x1A-C-AN-B	anthracite plastic	

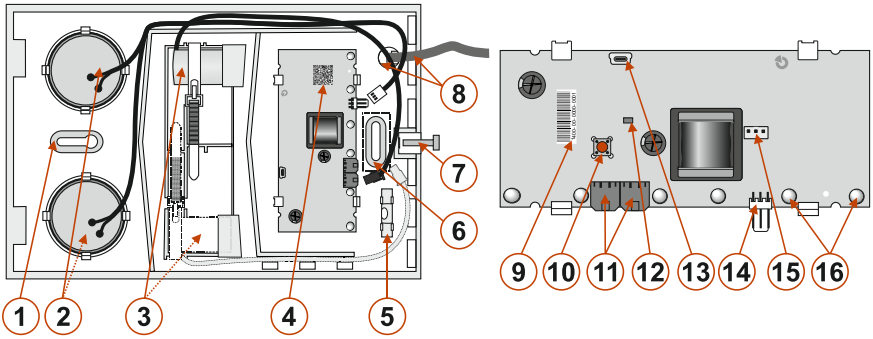


Figure 1: *Description of internal parts of the product*

1 – mounting hole
2 – piezo sounders
3 – lithium battery with reusable battery strap (up to 2 batteries can be used)
4 – PCB
5 – spirit level
6 – mounting hole with tamper detection
7 – front cover screw
8 – string with clip connecting the front cover for easy installation
9 – serial number
10 – LEARN (enrollment) button
11 – battery connector
12 – yellow LED indication of fault
13 – mini USB connector
14 – piezo siren connection (attention: high voltage)
15 – external antenna connector
16 – high intensity LED indicators

Technical specification

Power ..... lithium battery 3.6 V/13 Ah type BAT-100A, BAT-100A.01 (up to two batteries can be used) Please note: battery is not included
Typical battery lifetime ..... approx. 5 years
Low battery voltage ..... <2.8 V
Quiescent current consumption ..... 300 µA
Maximal current consumption ..... 1000 mA
Warning device type ..... type W
Communication frequency ..... 868.1 MHz, JABLOTRON protocol
Maximum radio-frequency power (ERP) ..... <25 mW
RF range ..... 300 m
Antenna ..... internal, external can be used, type AN-868
Lost integrity activation ..... acoustic tamper alarm (110 min)
Piezo electric siren ..... 100 dB/m (new battery)
Dimensions (with cover) ..... 200 x 300 x 70 mm
Weight (without battery) ..... 434 g
Classification ..... security grade 2/environmental class IV (according to EN 50131-1)
Environment ..... general outdoor
Operating temperature range ..... -25 °C to +60 °C
Certification body ..... Trezor Test s.r.o. (no. 3025)
Ingress protection IP44
Average operating humidity ..... 75% RH, non-condensation
In compliance with ..... ETSI EN 300 220-1, -2, EN 50130-4, EN 55032, EN IEC 62368-1, EN 63000, EN 50131-1, -4, -5-3, T 031
Can be operate according to ..... ERC/REC 70-03
Recommended screw ... 2 x ø 4,5 x 50 mm (countersunk head)

JABLOTRON a.s. hereby declares that the JA-163A RB product is in a compliance with the relevant Union harmonisation legislation: Directives No.: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU, if it is used as intended. 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.

For an electronic version of this document (available in other leanguages) or an installation version in JA-100+, scan the attached QR code: https://manuals.jablotron.com/ja-163a.

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