# JA-110A Bus internal siren

*The JA-110A is a component of the **JABLOTRON** system. It is used for system alarm indication inside a building, or to indicate other system activities. The siren also serves as a button for silencing the alarm (=confirmation of the presence of a person in the building) or trigger a panic alarm (optional function). The siren should be installed by a rained technician with a valid certificate issued by authorized distributor. This product is compatible with JA-101K, JA-102K, JA-103K, JA-106K, JA-107K control panels.*

## Installation

The siren can be installed in a suitable place either directly onto the plaster or into an embedded wiring box after the removal of its bottom cover.

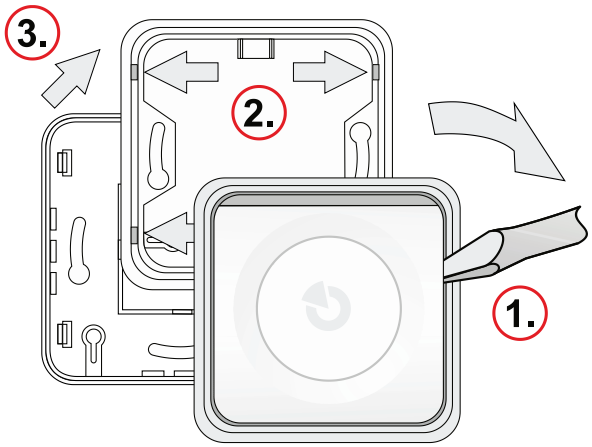


*Fig. 1: Removing the siren before installation*

1. Remove the body of the siren from the frame using a screwdriver by careful levering in the vertical crevice (1.).
2. Push the four tabs (2.) to remove the frame (3.).
3. Prepare a suitable opening and pull the bus cable through.
4. Attach the box to the suitable place using screws.

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

5. Connect the bus cable to the terminals (6).
6. Assemble the siren parts together. Note: the tamper sensor (7) must be located above the magnet in the bottom part of the plastic. If you are installing the siren into an embedded wiring box (the bottom plastic part is not used), the magnet must be inserted into the siren frame.
7. Proceed according to the control panel installation manual. Basic procedure:
   a. When the siren is switched on, the yellow LED (1) 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 enrolment mode by clicking on Enrol option.
   c. Press the button (top or bottom part) – the siren is thus enrolled, and the yellow LED (1) goes off.

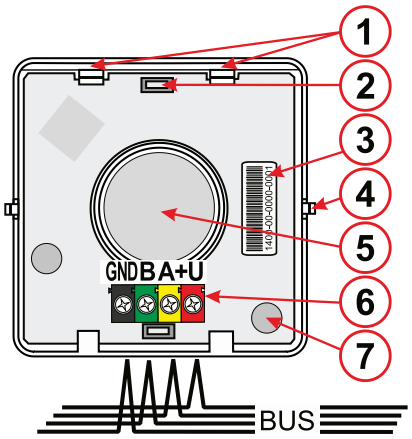


*Fig. 2: Description of product parts*

***1** – LED; **2** – switches; **3** – serial number; **4** – plastic posts; **5** – piezo-electric siren; **6** – bus terminals; **7** – tamper sensor;*

## Internal settings of the siren

The siren properties can be set in the Devices window of the F-link. 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 melody during entrance / exit delays and setting. 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 melodys:*** **interrupted***, **uninterrupted**

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

**Higher volume: YES / NO*** - adjustable only for a more intensive signalling of entrance and exit delays and sounds during PG output triggering.

***Melodys during section control*** **YES / NO*** If enabled, the siren melodys once during section setting, twice during unsetting and three times after there was an alarm in the section. The melody applies only to preset sections.

***Entrance and exit delay melodys:*** **YES / NO*** If enabled, it signalize all the time of the entrance or exit delay in preset sections.

***PG output activity indication***

The siren can indicate PG output activity with its melodys

**Melody 1** – slow beeping - 1 per second (for the whole period when the PG is active)

**Melody 2** – rapid beeping - 2 per second (for the whole period when the PG is active)

**Melody 3** - 1 beep when the PG is activated, 2 beeps when the PG is deactivated

**Melody 4** – a long 20 sec beep when the PG is activated

***Siren function priorities:***

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

## Reaction of the system to pressing the siren button

The default setting is that pressing the siren button during an alarm stops siren sound and concurrently confirms the presence of a person in the building (a report is sent). It also can be set (in the *reaction* column in the **Devices** window in the F-Link) the *reaction* to pressing the siren button to a panic alarm. In such a case the system will react to pressing the button with a silent alarm in the section to which the siren position has been enrolled.

When the system is in service mode, the button can be used to test the functioning of the siren.

## Technical specifications

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|---|---|
| *Power supply* | *from the bus 12 V DC (9…15 V)* |
| *Quiescent current consumption* | *5 mA* |
| *Maximal current consumption* | *30 mA* |
| *Siren* | *piezo-electric, 85 dB/m* |
| *Type of warning device* | *indoor, type X* |
| *Dimensions* | *80 x 80 x 28 mm* |
| *Acoustic performance* | *80 dB/1 m* |
| *Classification* | *security grade 2 / Environmental class II. (according to EN 50131-1)* |
| *Environment* | *indoor general* |
| *Weight* | *70 g* |
| *Operational temperature range* | *-10 °C to +40 °C* |
| *Average operational humidity* | *75% RH, non-condensation* |
| *Certification body* | *Trezor Test s.r.o. (no. 3025)* |
| *Complies with* | *EN 50131-1, -4, EN 50130-4, EN 55032, EN IEC 62368-1, EN IEC 63000* |
| *Can be operated according to* | *ERC REC 70-03* |
| *Recommended screw* | *2x ø 3,5 x 40 mm (flat head)* |

JABLOTRON a.s. hereby declares that the JA-110A 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.

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