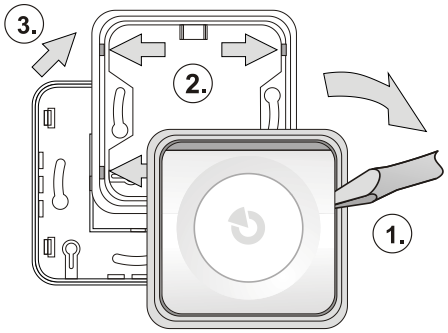
JA-10A Bus internal siren

*The JA-10A is a component of the **JA-10** 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).*

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.



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 digital 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 digital bus cable.
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 ***N-Link*** program, select the required position in the ***Devices*** window and launch the enrollment mode by clicking on ***Enroll*** option.
   c. Press the button (top or bottom part) – the siren is thus enrolled and the yellow LED (1) goes off.

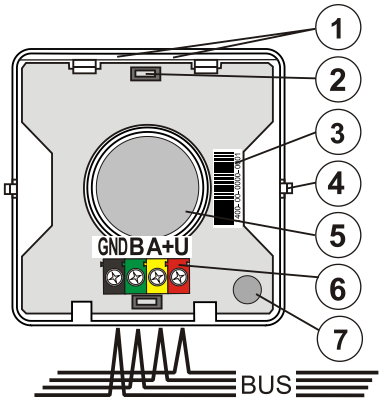


Figure: 1 – LED; 2 – switches; 3 – production code; 4 – plastic posts; 5 – piezo sounder; 6 – digital bus terminals; 7 – siren tamper sensor;

Internal settings of the siren

The siren properties can be set in the ***Devices*** window of the ***N-Link***. 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 chirp 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 sound: Intermittent*, Continuous

Maximum siren time: No, 1, 2, 3*,4, 5 minutes, During an alarm.

During section control: YES/NO* - if enabled, the siren chirps once after setting, twice after unsetting and three times when unsetting after an alarm. It only does so for selected sections.

Other acoustic indication from sections defines for which sections the siren should indicate entry/exit delay. The default setting is indication for all sections (1, 2, 3, 4). *

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

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

Signalling PG tab:

Sound indication can be set for each PG output:

No	-	PG output generates no sound
Slow beeping	-	slow chirping – 1 per second (for the whole period when the PG is active)
Quick beeping	-	rapid chirping – 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 s of beeping	-	20 s long chirp when the PG is activated

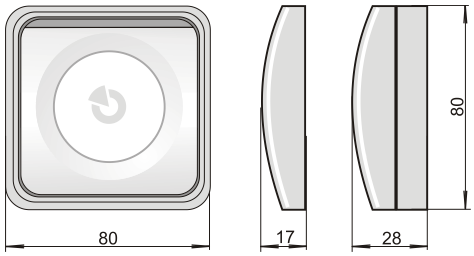
Siren function priorities:

The siren sound has the highest priority, the 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.

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 N-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/audible 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

Power	from control panel bus 12 V (9…15 V)
Current consumption in standby mode	5 mA
Current consumption for cable choice	30 mA
Siren	piezo electric, 90 dB/m
Dimensions	80 x 80 x 28 mm
Weight	69 g
Classification	Security grade 2/Environmental class II
According to	EN 50131-1, EN 50131-4,
- operational environment	Indoor general
- operating temperature range	-10 to +40°C
- average humidity	75 % RH, non-condensing
- length of alarm acoustic indication	1, 2, 3, 4, 5 minutes
- certification body	Trezor Test
Also complies with	EN 50130-4, EN 55032, EN 62368-1, EN 50581

JABLOTRON ALARMS a.s. hereby declares that the JA-10A 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: 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.

JABLOTRON ALARMS a.s.
Pod Skalkou 4567/33 | 46601 | Jablonec n. Nisou
Czech Republic | www.jablotron.com