The JA-152E Wireless access module with RFID

*The access module is a component of the **JABLOTRON 100** system. Its modular architecture enables users to create a combination whose size of installation perfectly meets their needs. The device should be installed by a trained technician with a valid certificate issued by an authorised distributor.*

The wireless access module comprises the first control segment (1) and an RFID chip card / tag reader (3). The JA-192E segments can be used to extend the JA-152E unit by the required number of segments (the max. allowed amount is 20 on one unit).

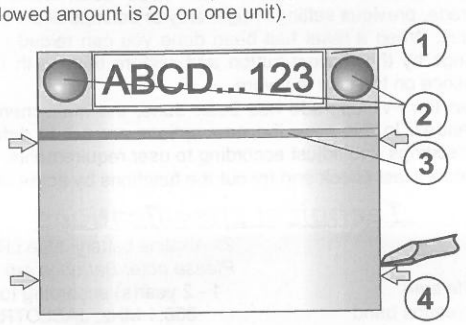


Figure 1: 1 – control segment; 2 – segment buttons; 3 – backlit activation button with RFID card reader; 4 – tabs for module opening;

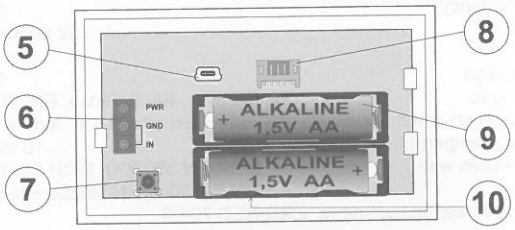


Figure 2: 5 – mini USB connector; 6 – terminals; 7 – tamper contact; 8 – connector for control segment; 9 – batteries; 10 – production code

Installation

1. Press the four tabs (4) on the sides (see 1st figure) one by one and release the module from the plastic base.
2. When installing more control segments, first remove the socket cover on the 1st segment.
3. Remove the transparent plastic cover from the segments (by levering on both sides of the segment near the buttons).
4. Always connect the segment wires to the connector of the previous segment and click them into each other (we recommend coiling the wires by turning the segment by 360° - this will prevent any possible damage to the wires between the plastic parts). Use this method to install all the required segments. Finally push the socket cover in.
5. Insert two 1.5 V alkaline AA batteries into the module.
6. Attach the base onto the selected place together with the segments using screws. If more segments are required fix them onto the wall using screws as well.
7. Connect the segment wires to the internal connector of the module (8).
8. Insert the module into the base.
9. Proceed according to the control panel installation manual. Basic procedure:
   a. There must be a JA-110R radio module installed in the control panel with a reliable communication range to the access module.
   b. When batteries are inserted, the yellow backlit activation button (3) starts to light permanently which indicates that the module has not been enrolled to the system yet.
   c. Go to the ***F-Link*** software, select the required position in the ***Devices*** window and launch enrollment mode by clicking on the *Enroll* option.
   d. Press the backlit activation button (3) – the module is thus enrolled and the yellow LED indicator goes off (this can take a few sec). An enrollment signal can also be sent by inserting the batteries.
10. When you have completed installation, insert descriptive labels behind the segment transparent plastic cover and close them, see figure 3. Label printing is a part of the F-Link software (***Devices*** window, at the RFID module position – ***Internal settings***).

Notes:

The module can also be enrolled to the system by entering its production code (10) in the F-Link software or using a bar code scanner. All numbers stated under the bar code shall be entered (1400-00-0000-0001).

To comply with the EN 50131-3 norm it is necessary to fix the cover tabs (4) by the screws from the accessories. In picture no 1 the cover tabs are displayed and marked by the arrows.

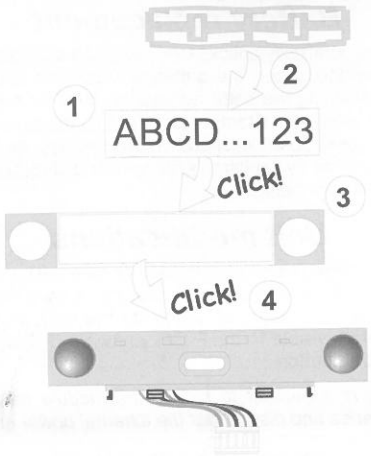


Figure 3: Insertion of a label into a control segment

Setting the properties

Go to the ***Devices*** window in the F-Link software. When you are at the module position, use the ***Internal settings*** option. The particular unit is displayed and it is possible to set its properties. Internal settings is separated into 2 basic tabs: ***Segments*** and ***Settings***.

It is possible to set the required functions for individual **segments** (control of sections, section status signalling, alarm triggering, PG output control, PG output status signalling, etc.).

3rd optional setting tab **Common segment** – settings and function description

A *common segment* (up to 2 of them allowed on one module) simulates the simultaneous pressing of several segments which are placed on this module and which control sections. ***Int the Segments*** tab select the specific segment function called ***Common segment A (B)***. Then in the new tab ***Common segment,*** select the segments which will be operated en bloc.

Note: *A module has to be equipped with a minimum of 3 segments otherwise this function can not be used.*

The selected sections will all be set / unset after pressing a button on the common segment.

If the states of the segments which are operated by the common segment are mixed, then only the segments that need changing will be set / unset.

If *partial setting* is enabled for some segments, then the common segment respects this: 1st press = partially setting, 2nd press = full setting. It is not suitable to combine a common segment with a common section

The indication of the common segment is: all segments unset = green, some set (partially set) = yellow, all sections fully set = red.

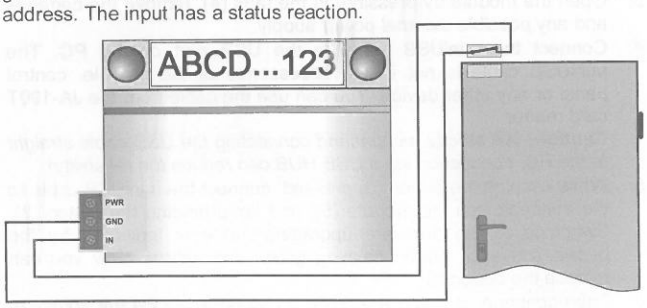
In the ***Settings*** tab you can set all other module functions like acoustic signalling, backlight intensity, RFID reader mode, optical and acoustic indication, etc. Details related to settings can be found in the installation manual of the control panel and of course in the tooltips displayed by the F-Link software.

Alternative power

The module can be powered from an external 12 V DC power supply via the PWR and GND terminals. The DE 06-12 power supply has the advantage of hidden installation. The module does not enter battery power save (sleep) mode if external power is used. It permanently communicates with the control panel and it indicates the system status according to the ***Devices / Internal settings.*** Leave the batteries inside the module. When the mains power is cut off, the module will work from the batteries.

Connection of an external door detector

The module has an input terminal for external door detector connection. The input (IN) reacts to disconnection from the common ground. The reaction of this input is delayed, and is linked to the module address. The input has a status reaction.



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