

The JA-112E Bus access module with RFID

The bus access module with RFID is a component of the **JABLOTRON JA-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 authorized distributor.

The RFID chip card / tag reader (4) comprises the first control segment (1). The JA-192E segments can be used to extend the JA-112E unit by the required number of segments (the max. allowed amount is 20 on one unit).

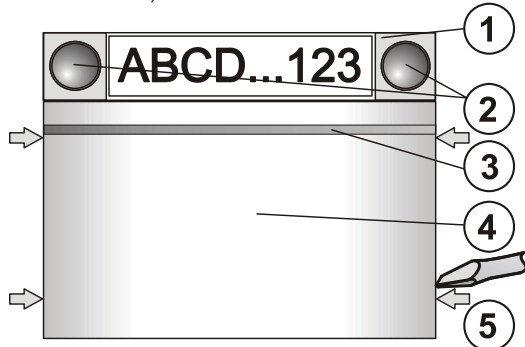


Figure: 1 – control segment; 2 – segment buttons; 3 – backlit activation button; 4 – RFID module; 5 – tabs for module opening

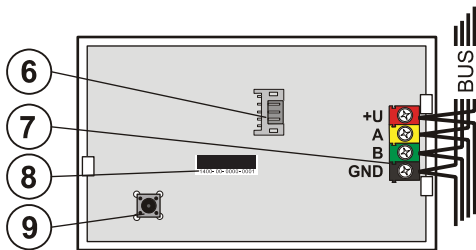


Figure: 6 – control segment connector; 8 –, 7 – bus terminals, 8 – production code; 9 – tamper contact

Installation

1. Press the four tabs (5) on the sides 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 plastic windows 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 control segments. Finally push the socket cover in.
5. Push the **cable through the plastic base and attach the base to the selected place together with the segments using screws**. If multiple control segments are required attach them onto the wall using screws as well (use the number of screws required).
6. Connect the bus cable to the bus terminals (7).



When connecting the module to the bus, always switch the power off.

7. Connect the segment wires to the internal connector of the module (6).
8. Insert the RFID module into the base.
9. Proceed according to the control panel installation manual. Basic procedure:
 - a. When the device is switched on, the yellow LED starts flashing repeatedly to indicate that the access module 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 enrollment mode by clicking on the **Enroll** option.
 - c. Press the backlit activation button (3) – the access module is thus enrolled and the yellow LED indicator goes off.
10. When you have completed the installation, insert descriptive labels onto the segment plastic windows and close them. Label printing is a part of the F-Link program (**Devices** window, at the RFID module position – **Internal settings**).

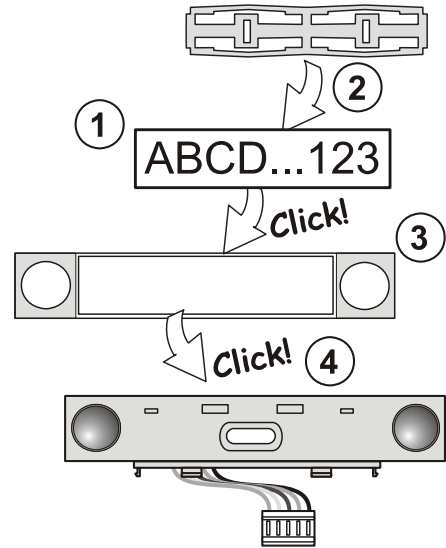


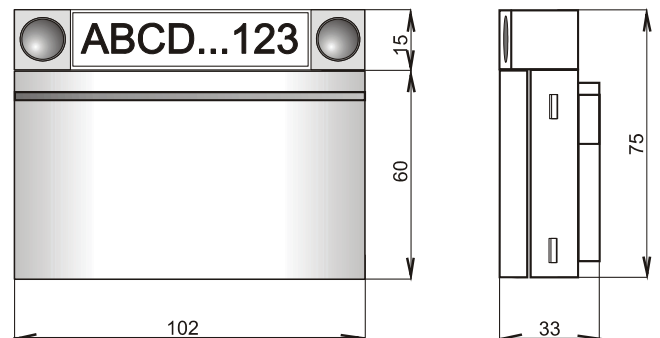
Figure: Insertion of a label into a control segment

Setting the properties

Go to the **Devices** window in the F-Link program. When you are at the RFID module position, use the **Internal settings** option. The particular unit is displayed and it is possible to set its properties. It is possible to assign the required functions to individual segments (controlling of sections, section status signalling, alarm triggering, PG output control, PG output status signalling, etc.). More details are available in the F-Link program.

Unit modifications

If you need to modify the unit's individual segments, it is possible to separate them by levering the corresponding separating gaps from one side (sideways from the buttons).



Technical specifications

Power	from control panel digital bus (9...15 V)
Current consumption in standby mode	10 mA
Current consumption for cable selection	15 mA
Each additional control segment	0.5mA
RFID frequency	125 kHz
Operating temperature range	-10 to +40 °C
Operational environment according to EN	50131-1 II. Indoor general
Classification	Grade 2
according to	EN 50131-1, EN 50131-3
Also complies with	ETSI EN 300330, EN 50130-4, EN 55022, EN 60950-1
Can be operated according to	ERC REC 70-03



JABLOTRON ALARMS a.s. hereby declares that the JA-112E module is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The original of the conformity assessment can be found at www.jablotron.com - Technical Support section



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.