

The JA-111M, JA-111MB, JA-111M-AN, JA-111M-GR BUS magnetic mini detector

The product is a component of the **JABLOTRON** system. It is used for the detection of opening doors, windows, etc. The detector has a status reaction (reports its activation and deactivation). It should be installed by a trained technician with a valid certificate issued by an authorized distributor.

Installation

Choose a suitable place for the detector's installation. The detector reacts to the removal of its permanent magnet.

The electronics should be installed onto the fixed part of window or door and the magnet onto the moving part. Avoid direct installation on a metal frame as it may adversely affect the operation of the magnetic sensor and radio communication.

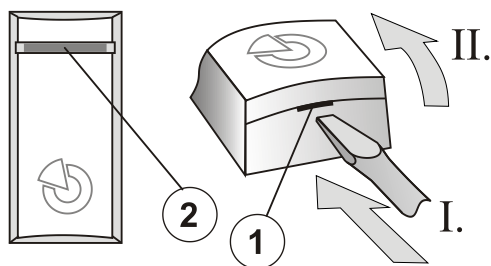


Fig: 1 – cover tab; 2 – LED indicators (yellow and red)

1. Open the detector cover by pushing the tab (1).
2. Select the right hole for the cable in the back part of the cover and break the membrane, put the cable through and screw the detector onto the chosen place.



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

3. Connect the bus cables (3) to the terminals (6).

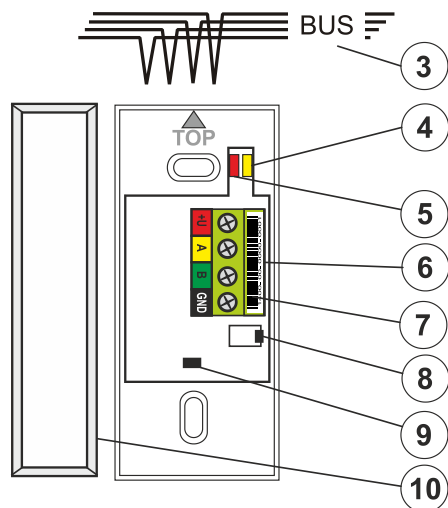


Fig: 3 – bus cable; 4 – yellow fault indicator; 5 – red detector activation indicator; 6 – digital bus terminals; 7 – serial number; 8 – tamper contact; 9 – magnetic sensor; 10 – permanent magnet

4. Proceed according to the control panel installation manual. Basic procedure:
 - a. When the device is powered, the yellow LED starts flashing repeatedly to indicate that the module has not been enrolled into the system.
 - b. Go to the **F-Link** software, select the required position in the **Devices** window and launch enrollment mode by clicking on the Enroll button.
 - c. Open the detector cover and press the tamper contact (8) – the module is enrolled, and the yellow LED goes off.
5. Close the detector cover.

Internal settings of the detector

The detector properties can be set in the **Devices** tab of the **F-Link** software. When at the detector position, use the **Internal settings** option to open a dialog window where you can set:

(* default settings)

LED indication enabled* / disabled: Allows the user to disable activation indication with a red LED.

Note:

- The detector can also be enrolled into the system by entering its serial number (7) in the **F-Link** software or on a keypad (or using a bar code scanner). All numbers stated under the bar code shall be entered (1400-00-0000-0001).
- The distance between the transmitter and the permanent magnet should be the shortest when the door is closed. The activation/deactivation distances between the magnet and the detector are shown in the following Figure. For other types of magnets or opposite polarity, the values may vary.

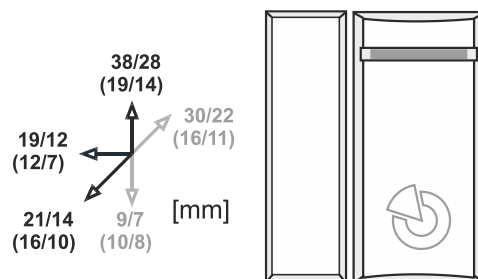



Fig: Distances for activation/deactivation of a detector installed on non-magnetic (magnetic) surface.

Technical specifications

Power	from control panel bus 12 V (9...15 V)
Quiescent current consumption in standby mode	2.5 mA
Nominal current consumption for cable choice	5 mA
Dimensions	55 x 27 x 16 mm
Weight	33 g
Classification	Security Grade 2/Environment class II according to EN 50131-1
Environment	II. Indoor general
Operating temperature range	-10 °C to +40 °C
Average operational humidity	75 % RH without condensation
Certification body	Trezor test s.r.o. (3025)
Complies with	EN 50130-4, EN 55032, EN 50581, EN 50131-1, EN 50131-2-6
Recommended screw	2 x  ø 3.5 x 40 mm (countersunk head)



JABLOTRON ALARMS a.s. hereby declares that the JA-111M, JA-111MB, JA-111M-AN, JA-111M-GR is in a compliance with the relevant Union harmonisation legislation: Directives No: 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.

