

JA-152M Wireless hidden magnetic detector

The product is a component of the **JABLOTRON** system. It is used to detect the opening of doors and windows and is designed for hidden installation (between a frame and a wing). The detector is designed to be installed by a trained technician with a valid Jablotron certificate.

Installation

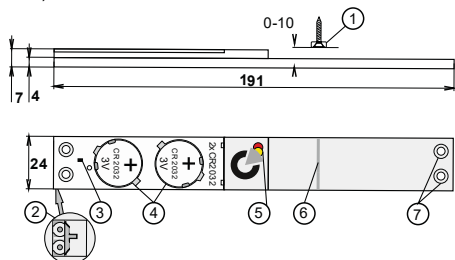
1. Find a suitable place for the detector's location so that the magnet is aligned with the adjustment line (6) when the door/window is closed. After opening the door/window, the magnet's distance from the detector should increase by at least 2 cm.

Basic installation conditions:

- a) Avoid installing the detector around the metal fitting mechanism (there shouldn't be any metal close to the detector due to interference to radio communication),
 - b) We do not recommend installing the detector onto the bottom part of the door/window frame due to possible water condensation,
 - c) There are three back-plates (two 2 mm and one 3 mm) designed to compensate for possible unevenness on the frame (e.g. frame grooves); the detector must always lie with its whole surface on the mounting surface.
2. Screw the magnet onto the moving part of the door/window.
 3. Unscrew the battery cover and screw the detector on with four screws so that the magnet is aligned with the adjustment line (6) when the door/window is closed. Be careful not to use too much force while tightening the screws, otherwise the tear-removal mechanism (2) could be damaged.
 4. Try out if the detector or the magnet makes no obstruction when closing the door/window.

5. **Follow the instructions stated in the control panel installation manual.** Basic procedure:

- a) Open the F-Link software, select an unused position in the Devices tab and click on the Enrol button to enter the Enrolment mode.
- b) Insert both batteries (4) into the detector. Mind the correct polarity (for both batteries the positive terminal points upwards). After the second battery is inserted into the detector the enrolment signal is transmitted and the detector is enrolled into the selected position. The enrolment is confirmed by the yellow LED (5) turning off.
- c) Close and screw the detector cover on.



- 1 – magnet
- 2 – tear-removal mechanism for removal detection (on the back side of the detector)
- 3 – cover tamper sensor
- 4 – batteries (2x CR 2032)
- 5 – hidden LED indicators (under the logo)
- 6 – adjustment line
- 7 – fixing holes

Figure 1: Description of external and internal parts of the product

Enrolment to the system and settings

Depending on the type of control panel, use the recommended software or application, see the control panel manual.

Technical specifications

Power..... 2x lithium batteries, type CR2032 (3.0 V / 0.2 Ah)
Please note: batteries are not included.
Typical lifetime of battery approx. 2 years
LowBatt state <2.4 V
Quiescent current consumption 13.1 μ A
Maximal current consumption 28 mA
Communication band..... 868.1 MHz, JABLOTRON protocol
RF range approx. 300 m (open area)
Dimensions..... 191 x 24 x 7 mm
Weight (without batteries) 32 g

Classification security grade 2 / environmental class II
(according to EN 50131-1)
Environment extended indoor general
Operating temperature range -20 °C to +60 °C
Average operational humidity 75 % RH, non-condensation
Certification body..... Trezor Test s.r.o. (no. 3025)
Complies with EN 50131-2-6, EN 50131-5-3, EN 50131-6,
EN 62368-1, EN 50130-4, EN 55032,
ETSI EN 300 220-2, EN IEC 63000
Can be operated according to ERC REC 70-30
Recommended screw 4x $\varnothing$ 3 mm (countersunk head)



JABLOTRON a.s. hereby declares that the JA-152M product is in a compliance with the relevant Union harmonisation legislation: Directives No.: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU, if it is used as intended. 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.

The complete product manual is available via QR code.



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