

JA-153M, JA-153M-AN, JA-153M-BR, JA-153M-GR

Wireless magentic detector with recognition of external magnetic fields

type: 5MAG2203SA

The product is a component of the **JABLOTRON** system. It is used for the detection of opening doors, windows, etc. The device has a selectable reaction (pulse or status). It should be installed by a trained technician with a valid certificate issued by an authorized distributor.

Installation

During installation, if possible, avoid placing the device directly onto metal surfaces which may negatively impact the device's ability to communicate with the system.

Two types of magnets are supplied with the detector. A ferrite magnet in plastic housing (A) and a ring magnet (B). The correct location of both types of magnets is shown in the illustration. The distances for activation/deactivation of the detector with the ferrite magnet (for non-magnetic mounting surface) are shown in the table. For other magnet types or opposite polarity, these values may vary.

1. Open the device cover by pressing the housing tab (2).
2. Mount the device's backplate onto a chosen location.
3. Screw the selected magnet onto a moving part, e.g. a door leaf. The bottom edge of the ferrite magnet plastic must coincide with the bottom edge of the detector housing. It is recommended to use a special non-magnetic screw (included in the package) to attach the ring magnet.
4. Proceed according to the control panel installation manual.
5. Close the detector cover.

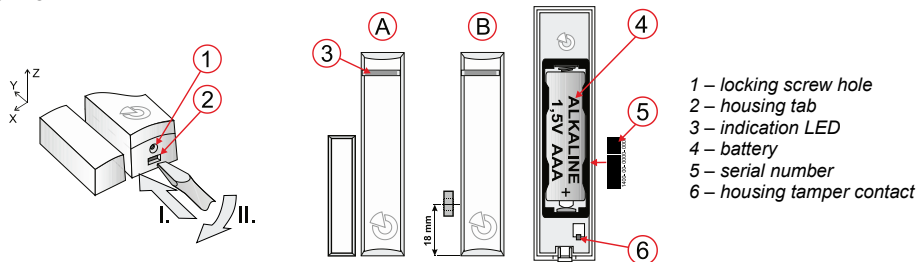


Figure 1: Description of external and internal parts of the product

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	1x alkaline battery, type: AAA (LR03, 1.5 V / 1.2 Ah)	Weight (without battery)	25 g
	Please note: Battery is not included.	Classification	security grade 3 / environmental class II
Typical lifetime of battery	about 2 years		(according to EN 50131-1)
	(max. 10 activation daily)	Operational environment	indoor general
LowBatt state	<0.95 V	Operating temperature range	-10 °C to +40 °C
Quiescent current consumption	50 µA	Average operating humidity	75 % RH, non-condensation
Maximum current consumption	30 mA	Certification body	Trezor Test s.r.o. (no. 3025), Kiwa Nederland b. v.
Communication frequency ...	868.1 MHz, JABLOTRON protocol	Complies with ..	EN 50131-1, -2-6, -5-3, -6, ETSI EN 300 220-2, T 031, EN 50130-4, EN 55032, EN 62368-1, EN IEC 63000
Maximum radio-frequency power (ERP)	<25 mW	Can be operated according to	ERC/REC 70-03
Communication range	approx. 500 m (open area)	Recommended screw	2x  ø 3.5 x 40 mm
Dimensions transmitter part	20 x 86 x 20 mm		(flat head)
Dimensions magnet part	16 x 55 x 15 mm		



JABLOTRON a.s. hereby declares that the 5MAG2203SA 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.

For an electronic version of this document (available in other languages) or an installation version in JA-100+, scan the attached QR code.



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