JA-162PB Wireless combined PIR motion and glass-break detector

This device is a component of the JABLOTRON system. It is used for the detection of movement in building interiors and for the detection of breaking glass windows. This detector combines two sensors (PIR motion & GBS acoustic) in one housing. The detector occupies two positions in the system.

- Declaration of conformity - JA-162PB (PDF 688.35 kB)

Description

The detector uses a Passive Infra-Red sensor for movement detection. Breaking glass is detected by a Glass Break sensor, which analyses air pressure changes and sounds to detect the breaking of a glass window. The detector should be installed by a trained technician with a valid certificate issued by an authorized distributor.

This device is compatible with JA-103K, JA-107K, JA-102K control panel units and upper models.

Technical specifications

Power	2x Lithium battery CR123A (3.0 V/1.5 Ah) Please note: Batteries are not included.
Typical battery lifetime	approx. 3 years
Low battery voltage	<2.7 V
Quiescent current consumption	50 uA
Maximal current consumption	50 mA
Communication band	868.1 MHz, protocol JABLOTRON
Maximum radio-frequency power (ERP)	<25 mW
RF range	500 m (open area)
Recommended installation height	2.5 m above the floor
PIR detection angle/range	90°/12 m
GBS detection angle/range	90°/9 m

Dimensions	150 x 63 x 40 mm
Weight (w/o batteries)	135 g
Classification	Security grade 2/Environmental class II (according to EN 50131-1)
Environment	indoor general
Operating temperature range	-10 °C to +40 °C
Average operational humidity	75% RH, w/o condensation
Certification body	Trezor Test s.r.o. (no. 3025)
In compliance with	ETSI EN 300 220-1,2, EN 50130-4, EN 55032, EN IEC 62368-1, EN IEC 63000, EN 50131-1, EN 50131-2-2, EN 50131-2-7-1, EN 50131-5-3, EN 50131-6
Can be operated according to	ERC REC 70-03
Recommended screw	2 x ø 3.5 x 40 mm (countersunk head)