Wireless combined motion and glass-break detector



Code: JA-161PB

The motion detector with an integrated glass break (GB) detector provides two independent functions in one device. The standard PIR detector reacts to movement by evaluating changes in the temperature image of the room. The built-in GB detector reacts to pressure changes and high acoustic frequencies typical of glass breakage. Thus, the product performs the function of two different detectors with one installation. The product is compatible only with control panels JA-103K, JA-107K or newer.

Product description:

It is the successor to the original JA-180PB detector. The mechanical design is unified with the standard motion detectors of the JABLOTRON 100+ series. The detector function is identical to the design version JA-162PB. Two-way communication provides safer transmission and convenient configuration without the need for physical access to the peripheral.

Glass break detection is especially suitable for glass panes accessible from public areas and large glass surfaces that can be penetrated without opening the window frame. When learned into the system, the detector occupies the positions of two peripherals, each configurable separately. The glass pane should be at least 60 × 60 cm in size and must be within 9 m of the detector. The sensitivity of the GB detection can be adjusted directly using the F-Link software.

Technical information:

Power	2x alkaline battery type LR6 (AA) 1.5 V / 2.45 Ah Please note: Batteries are not included.
Typical lifetime of batteries	approx. 2 years
Low battery voltage	<2.4 V
Quiescent current consumption	53 µA
Maximal current consumption	50 mA
Communication band	868.1 MHz, JABLOTRON protocol
Maximum radio-frequency power (ERP)	<25 mW
Recommended installation height	2.2–2.5 m
Detection angle / detection coverage (PIR)	110 ° / 12 m

Detection angle / detection coverage (GBS)	90 ° / 9 m
RF range	500 m (open area)
GBS detection type	acoustic
Dimensions	60 x 98 x 52 mm
Weight (w/o batteries)	91 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 operating humidity	75% RH, non-condensation
Certification body	Trezor Test (no. 3025)
Complies with	EN IEC 63000, EN 50130-4, EN 55032, EN IEC 62368-1, ETSI EN 300 220-1, -2, EN 50131-1, EN 50131-2-2, EN 50131-5-3, EN 50131-2-7-1, EN 50131-6
Can be operated according to	ERC/REC 70-03
Recommended screw	2x  ø 3.5 x 40 mm (countersunk head)