



JA-162PW (G) Wireless dual PIR and MW motion detector

This product is a wireless device of the JABLOTRON 100+ system. It is designed to detect human body movement inside buildings. A high immunity to false alarms is reached thanks to the combination of PIR and microwave (MW) detection. The detector works like a classic PIR detector, however, when the PIR detects movement in a guarded area, the MW part is activated and confirms the previous PIR activation.

o [Declaration of conformity - JA-162PW \(G\) \(PDF 323.49 kB\)](#)



Description

The detector features a grey lens that provides increased white light immunity, way above the requirements defined by the norm (up to 10000 lux). This lens helps to reduce false indication of alarms caused, for example, by: car headlight refraction, the setting sun, lightning or reflective surfaces. The immunity to false alarms can be set at two levels, PIR and MW. The detector operates with a pulse reaction and takes up a single position in the system.

This device is only compatible with the JA-103K and JA-107K control panels.

Technical specifications

Power supply

2x lithium battery, type: CR123A (3 V/1500 mAh)
Please note: Batteries are not included.

Typical lifetime of batteries

4 Years

LowBatt state

< 2,7 V

Quiescent current consumption

65 μ A

Maximum current consumption

50 mA

Communication band

868,1 MHz, JABLOTRON protocol

Maximum radio-frequency power (ERP)

25 mW

Communication range

cca 300 m (open area)

Recommended installation height

2.2 - 2.5 m above floor level

Detection angle/detection coverage PIR

90°/12 m

Detection angle/detection coverage MW

80°/12 m

Operational frequency MW

24,125 GHz

Maximum radio-frequency power (ERP)

30 mW

Dimensions	63 x 150 x 40 mm
Weight (w/o batteries)	125 g
Classification	Security grade 2/Environmental class II (according to EN 50131-1)
Operating temperature range	-10 °C to +40 °C
Average operating humidity	75 % RH, w/o condensation
Certification body	Trezor Test s.r.o. (no. 3025)
In compliance with	ETSI EN 300 220-1,-2, ETSI EN 300 440, EN 50130-4, EN 55032, EN 62368-1, EN 50581, EN 50131-1, EN 50131-2-4, EN 50131-5-3, EN 50131-6
Operating conditions according to general authorization	ERC REC 70-03