



## JA-122PW (G) Bus dual PIR and MW motion detector

This product is a bus 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.

### 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.

### Technical specifications

<b>Power supply</b>	from the control panel bus 12 V DC (9 ... 15 V)
<b>Current consumption</b>	
- in standby mode	5 mA
- for cable choice	16 mA
<b>Recommended installation height</b>	2.2 - 2.5 m above floor level
<b>Detection angle/PIR coverage</b>	90°/12 m
<b>Detection angle/MW coverage</b>	80°/12 m
<b>MW Frequency</b>	24.125 GHz
<b>Maximum MW radio-frequency power (ERP)</b>	30 mW
<b>Dimensions:</b>	150 x 63 x 40 mm
<b>Weight</b>	120 g
<b>Classification</b>	Security grade 2/Environmental class II (According to EN 50131-1)
<b>Environment</b>	Indoor general
<b>Operating temperature range</b>	-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 300 440, EN 50130-4, EN 55032, EN 62368-1, EN 50581, EN 50131-1, EN 50131-2-4

**Operating conditions according to general authorization**

ERC REC 70-03