



## JA-122PW 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.

○ [Declaration of conformity - JA-122PW \(PDF 691.51 kB\)](#)

### Description

The product features a white lens that provides standard white light immunity as defined by the norm (up to 6000 lux). 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

**Power supply**

from the control panel bus 12 V DC (9 ... 15 V)

**Current consumption****- in standby mode**

5 mA

**- for cable choice**

16 mA

**Recommended installation height**

2.2 - 2.5 m above floor level

**Detection angle/PIR coverage**

90°/12 m

**Detection angle/MW coverage**

80°/12 m

**MW Frequency**

24.125 GHz

**Maximum MW radio-frequency power (ERP)**

30 mW

**Dimensions:**

150 x 63 x 40 mm

**Weight**

120 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 300 440, 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