



JA-120PW Bus PIR / MW motion detector

The detector is used for **human motion detection** in the interior of a building. Thanks to the combination of **motion and microwave detection**, the detector has a high alarm detection certainty.

○ [Declaration of conformity - JA-120PW \(PDF 316.51 kB\)](#)



Description

The detector guards the same way as a classic PIR motion detector.

When motion is sensed in the guarded area, the **MW detector** is activated to **confirm** the triggering of the PIR. Only after receiving a **confirmed alarm signal from the MW unit**, does the detector send an alarm report to the control panel.

Technical specifications

Power	from the control panel bus 12 V (9 ... 15 V)
Current consumption in standby mode	5 mA
Current consumption for cable choice	25 mA
Recommended installation height	2.5 m above the floor
Detection angle/PIR coverage	110 degrees/12 m (standard lens)
Detection angle/MW coverage	24 degrees/15 m (in open space)
Detection angle/MW coverage	90 degrees/15 m (see the model room)
MW Frequency	9.35 GHz
Dimensions	60 x 110 x 55 mm
Weight	110 g
Classification	Security grade 2/Environmental class II
- according to	EN 50131-1, EN 50131-2-4
- environment	Indoor general
- operating temperature range	-10 °C to +40 °C

- average humidity

75 % RH, non-condensing

- certification body

Trezor Test s.r.o. (no. 3025)

Also complies with

ETSI EN 300 440-1, EN 60950-1, EN 50130-4, EN 55022

Can be operated according to

ERC REC 70-03