



JA-180W Wireless PIR and MW combined 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 is highly resistant to false alarms.

○ [Declaration of conformity - JA-180W \(PDF 316.03 kB\)](#)



Description

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

The detection characteristic may be **optimised by using alternative lenses** JS-7904 LONG HALLWAY, JS 7906 PET or JS-7901 CURTAIN.

It is addressable and occupies one position in the alarm.

Technical specifications

Power supply

Lithium battery type CR14500 (AA) 3.6 V/2.45 Ah
Please note: Battery is not included

Nominal current

21 μ A

Maximal current

38 μ A

Battery low voltage

≤ 2.6 V

Typical battery lifetime

approx. 2 years (DIP no. 3 to NORM)

Communication band

868.1 MHz, Jablotron protocol

Communication range

approx. 300 m (open area)

Recommended installation height

2.0 to 2.5 m above floor level

PIR detection angle/detection range

110°/12 m (with basic lens)

MW detection angle/detection range

24°/15 m (open area)

MW detection angle/detection range

90°/15 m (sample room)

MW detection range/frequency

9.35 GHz

Dimensions

110 x 60 x 51 mm

Weight	114 g
Classification	Security grade 2/Environmental class II
- according to	EN 50131-1, EN 50131-2-4, EN 50131-5-3
- operational environment	indoor general
- operational temperature range	-10 °C to +40 °C
- average humidity	75 % RH non condensing
- certification body	Trezor Test s.r.o. (no. 3025)
Complies with	ETSI EN 300 220, ETSI EN 300 440, EN 50130-4, EN 55022, EN 60950-1
Can be operated according to	ERC REC 70-03