



## 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  $\mu$ A

**Maximal current**

38  $\mu$ A

**Battery low voltage**

$\leq 2.6$  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

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