



## JA-158P Wireless outdoor PIR detector

The JA-158P is an outdoor intruder wireless detector designed to **detect human body movement in a protected area**.

○ [Declaration of conformity - JA-158P \(PDF 316.11 kB\)](#)

### Description

It supplements a double-zone PIR sensor produced by Optex with a Jablotron transmitter enabling the detector to be used within the JABLOTRON 100+ system. The optical part of the detector has 2 PIR sensors with non-overlapping 94 zone detection, a high immunity to false alarms and the detection of small animals.

The detector includes an Antimasking function - protection against covering the view and it also has two tamperers (front and back) built-in. They immediately report opening the detector or attempting tampering.

The detector does a self-test periodically and sends its status by a connection test to the control panel.

### Technical specifications

**Power**

2x Lithium battery type CR123A (3.0 V/1.4 Ah)  
Please note: Batteries are not included

**Average battery lifetime**

2 x (3 x) CR123A, approx. 3 years (4 years)\*  
\* valid for enabled 120 s saving mode

**Alternative power**

2 x Lithium battery type CR14500 (AA) 3.6 V/2.45 Ah  
Please note: Batteries are not included

**Average battery lifetime**

2 x (3 x) CR14500, approx. 3 years (4 years)\*  
\* valid for enabled 120 s saving mode

**Current consumption (nominal/maximal)**

50  $\mu$ A/54 mA

**Communication band**

868.1 MHz

**RF range - distance from the control panel**

up to 300 m (open area)

**Optex detector parameters**

**Detection characteristics**

12 m/85 °; 94 segments

**Recommended installation height**

2.5 - 3.0 m

<b>Object motion speed</b>	0.3 - 1.5 ms <sup>-1</sup>
<b>Battery saving timer</b>	adjustable 5 s or 120 s
<b>Detector cover conformance</b>	IP55
<b>Max. relative humidity of the environment</b>	95%
<b>Operational environment according to EN 50131-1</b>	IV
<b>Operating temperature range</b>	-20 °C to +60 °C
<b>Security grade</b>	according to OPTEX
<b>Complies with</b>	ETSI EN 300 220, EN 50130-4, EN 55022, EN 60950-1
<b>Weight</b>	620 g
<b>Can be operated according to</b>	ERC REC 70-03