



## JA-159P Wireless outdoor PIR detector

The JA-159P is an outdoor intruder wireless detector designed to **detect human body movement in a protected area**.

○ [Declaration of conformity - JA-159P \(PDF 316.08 kB\)](#)

### 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 and high immunity to false alarms and the detection of small animals.

The detector includes an Anti-masking 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 to the control panel. The detector should be installed by a trained technician with a valid certificate issued by an authorised distributor.

### Technical specifications

<b>Power</b>	2x Lithium battery type CR123A (3.0 V/1.4 Ah) Please note: Batteries are not included
<b>Current consumption (nominal/maximal)</b>	35.5 µA/55 mA
<b>Average battery lifetime</b>	2 x CR123A, approx. 3 years
<b>Communication band</b>	868.1 MHz
<b>RF range - communication range</b>	up to 300 m (open area)
<b>Optex detector parameter</b>	
<b>Detection characteristics</b>	12 m/90 °; 16 segments
<b>Recommended installation height</b>	0.8 - 1.2 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>Operational environment according to EN 50131-1</b>	IV
<b>Security grade</b>	according to Optex
<b>Operating temperature range</b>	-20 °C to +60 °C

<b>Detector cover conformance</b>	IP55
<b>Max. relative humidity of the environment</b>	95 %
<b>Dimensions</b>	186 x 71.3 x 105.5 mm
<b>Weight</b>	500 g
<b>Complies with</b>	ETSI EN 300 220, EN 50130-4, EN 55022, EN 60950-1
<b>Can be operated according to</b>	ERC REC 70-03