



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 μ 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

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