



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

Power	2x Lithium battery type CR123A (3.0 V/1.4 Ah) Please note: Batteries are not included
Current consumption (nominal/maximal)	35.5 µA/55 mA
Average battery lifetime	2 x CR123A, approx. 3 years
Communication band	868.1 MHz
RF range - communication range	up to 300 m (open area)
Optex detector parameter	
Detection characteristics	12 m/90 °; 16 segments
Recommended installation height	0.8 - 1.2 m
Object motion speed	0.3 - 1.5 ms ⁻¹
Battery saving timer	adjustable 5 s or 120 s
Operational environment according to EN 50131-1	IV
Security grade	according to Optex
Operating temperature range	-20 °C to +60 °C

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