



## JA-151IR Wireless 4beam optical barrier

The JA-151IR four-beam infra-red optical barrier is designed for the **indication of a breach into a protected area**

○ [Declaration of conformity - JA-151IR \(PDF 317.49 kB\)](#)

### Description

The barrier is a product by Optex supplemented with transmitters compatible with the JABLOTRON 100+. The device is equipped with a 4-ray optical part with a high immunity against false alarms and the detection of small animals. The barrier occupies two positions in the system. The transmitters regularly perform automatic tests and report their status to the system. The barrier should be installed by a trained technician with a valid certificate issued by an authorised distributor.

Battery is not included.

### Technical specifications

<b>Power</b>	4x (8x) LSH20 type lithium batteries (3.6 V/13 Ah) Please note: Batteries are not included
<b>Current consumption (nominal/maximal)</b>	765 $\mu$ A/50 mA
<b>Average battery lifetime</b>	approx. 3 years* (6 years)* * with 120 s energy saving mode
<b>Communication band</b>	868.1 MHz, JA-100 protocol
<b>RF range</b>	up to 300 m (open area)
<b>Optex barrier parameters</b>	
<b>Distance between barrier units</b>	max. 100 m
<b>Barrier installation height</b>	0.7 - 1.0 m
<b>Object motion speed</b>	as set by an installer
<b>Enclosure protection</b>	IP65
<b>Max. relative humidity of the environment</b>	95 %
<b>Weight (receiver + transmitter)</b>	3300 g

**Operational environment according to EN 50131-1**

IV

**Operational temperature range**

-20 °C to +60 °C

**Security grade**

according to OPTEX

**Complies with**

ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1

**Can be operated according to**

ERC REC 70-03