



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

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