



JA-150IR Wireless optical barrier

Detector is designed for the **indication of a breach into a protected area by crossing the IR line.**

○ [Declaration of conformity - JA-150IR \(PDF 317.21 kB\)](#)

Description

The JA-150IR optical barrier is designed for the indication of a breach into a protected area by crossing the IR line between the transmitter and the receiver. The barrier is a product by Optex supplemented with transmitters compatible with the JABLOTRON 100+ system, this being both in the transmitting and receiving part of the barrier. The device is equipped with a 2-ray optical part with a high immunity against false alarms and the detection of small animals. The barrier occupies two positions in the system. Both parts of the barrier can send a tamper signal to the control panel. 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	4 x LSH20 type lithium batteries (3.6 V/13 Ah) Please note: Batteries are not included
Current consumption (nominal/maximal)	830 µA/50 mA
Average battery lifetime	app. 3 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	
Product dimensions	88.1 x 217 x 162.5 mm
Mounting holes distance	83.5 mm
Distance (max.) between the barrier units	max. 60 m
Barrier installation height	0.7 - 1.0 m
Object motion speed	as set by an installer
Detector cover conformance	IP55

Max. relative humidity of the environment	95 %
Weight	1620 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, EN 50581