SB2100-N

AIR two-beam detector 100 m with integrated Heater and Alignment tool

The new SB active infrared beams' series includes two-beam and four-beam detectors, which generate an alarm when 1 or 2 beams are interrupted, ignoring birds, small animals, dead leaves, etc.

They consist of two identical detector modules equipped with detector cells integrating both transmission and reception functions. These modules are installed facing each other over the distance to be protected providing a non-physical invisible detection zone.

Detectors are based on a system of pulsed infrared beams, and operate on four user-selectable frequencies (channels), which allow avoiding any risk of interference between detectors.

Thanks to an integrated alignment tool, which provide visual and audible signal, beams are much quicker and easier to align.
Heater is also integrated on the beams.

Thanks to modules interconnectivity option (offered for SB250-N, SB2100-N, SB450-N and SB4100), there are NO detection gaps between modules.



Details

- 2 active infrared (AIR) beams
- Outdoor range 100 m
- 4 selectable channels
- On board regulated heater
- Disqualification
- Integrated alignment tool (visual/audio)
- NO gaps in detection between modules thanks to interdetection option
- Receiver and Transceiver in one module
- Modular pillar for 180° & 360° view
- Very strong pillars up to 3 m

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Technical specifications

General

Accessory group	Perimeter / Outdoor
Type	Test tool

Electrical

Operating voltage	10 to 15 V
Current consumption	Beam: 47 mA @ 12 VDC (1 module) Heater: 80 mA @ 12 VDC (1 module)

Physical

Physical dimensions	84 x 280 x 113 mm (W x H x D)
Net weight	0.9 kg

Environmental

Operating temperature	-25 to +55°C (with heater)
IP rating	IP44

Detection

Max. range indoors	250 m
Max. range outdoors	100 m
Intrusion alarm response time	50 to 800 ms
Disqualification alarm response time	60 s non-adjustable
Typical duration of intrusion alarm	Duration of cell interruption, with a minimum of 4 s

Number of beams

	2

Beams interruption switching mode

	All beams

Heater power supply

	10 to 15 VAC/VDC

Output relays

	Alarm (NC = alarm off)
	Tamper (NC = alarm off)
	Disqualification (NO = alarm off)

Output rating (each)

	30 VDC, 500 mA

Integrated alignment tool

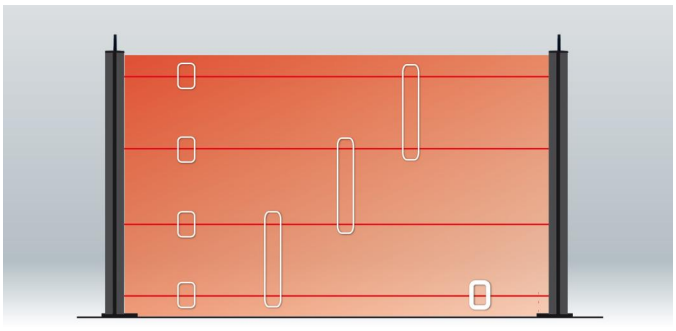
	Optical viewfinder system, LED, buzzer indicating quality of the received signal

Cell direction adjustability

	Vertically +/- 10°

Module direction adjustability

	Horizontally +/- 90°



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