

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.



Standard Features

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

Specifications

General	
Accessory group	Perimeter / Outdoor
Type	Test tool
Electrical	
Operating voltage	10 to 15 V
Current consumption	47 mA
Physical	
Physical dimensions	84 x 280 x 113 mm
Net weight	0.9 kg
Environmental	
IP rating	IP44
Max. range indoors	
	250 m
Max. range outdoors	
	100 m
Number of beams	
	2
Beams interruption switching mode	
	All beams
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
Beam power supply	
	10 to 15 VDC
Beam current consumption at 12 VDC (1 module)	
	47 mA
Heater power supply	
	10 to 15 VAC/VDC
Heater current consumption at 12 VDC (1 module)	
	80mA
Output relays	
	Alarm (NC = alarm off)
	Tamper (NC = alarm off)
	Disqualification (NO = alarm off)
Operating temperature (with heater)	
	- 25 to +55°C
IP rating	
	IP44
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°
Weight	
	0.9 kg
Dimensions (W x H x D)	
	84 x 280 x 113 mm

Ordering Information

Part No.	Description
SB250-N	AIR two-beam detector 50 m with integrated Heater and Alignment tool
SB2100-N	AIR two-beam detector 100 m with integrated Heater and Alignment tool
SB450-N	AIR four-beam detector 50 m with integrated Heater and Alignment tool
SB4100-N	AIR four-beam detector 100 m with integrated Heater and Alignment tool
SB4200-N	AIR four-beam detector 120-200 m (depending on visibility), with integrated Heater and Alignment tool