



Product Data Sheet

SB4200-N

AIR four-beam detector 120-200 m (depending on visibility)

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.



Standard Features

- 4 active infrared (AIR) beams
- Outdoor range 120-200 m (depending on visibility)
- 4 selectable channels
- On board regulated heater
- Disqualification
- Integrated alignment tool (visual/audio)
- Receiver and Transceiver in one module
- Modular pillar for 180° & 360° view
- Very strong pillars up to 3 m

SB4200-N

AIR four-beam detector 120-200 m (depending on visibility)

Specifications

Max. range indoors	250 m
Max. range outdoors	120-200 m (depending on visibility)
Number of beams	4 (2 cells)
Detection mode	both cells are interrupted
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)	55mA
Heater power supply	10 to 15 VAC/VDC
Heater current consumption at 12 VDC (1 module)	160mA
Output relays	Alarm (NC = alarm off)
	Tamper (NC = alarm off)
	Disqualification (NO = alarm off)
Output rating (each)	30 VDC, 500 mA
Operating temperature (with heater)	- 25 to +55°C
IP rating	IP44
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	1.2 kg
Dimensions (W x H x D)	238 x 132 x 445 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





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.