



## Product Data Sheet

# SB250-N

AIR two-beam detector 50 m

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

# SB250-N

AIR two-beam detector 50 m

## Specifications

Max. range indoors	125 m
Max. range outdoors	50 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	0.8 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



Thank you for reading this data sheet.

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



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)330 088 0560**

**Fax: +44 (0)1245 808399**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

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