# SB450-N

## AIR four-beam detector 50 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

- 4 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 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

| | |
|---|---|
| Category | Aktiv Infrarot Strahlen |
| Product type | Aktiv Infrarot Strahl |
| Infrared system | 4-beam LED |
| Tamper | NC |

### Detection

| | |
|---|---|
| Range | 50 / 125 m (outdoor / indoor) |
| Alarm response time | 50 to 800 ms |
| Disqualification response time | 60 s non-adjustable |

### Inputs/outputs

| | |
|---|---|
| Alarm output | NC |
| Supervision output | NO |

### Electrical

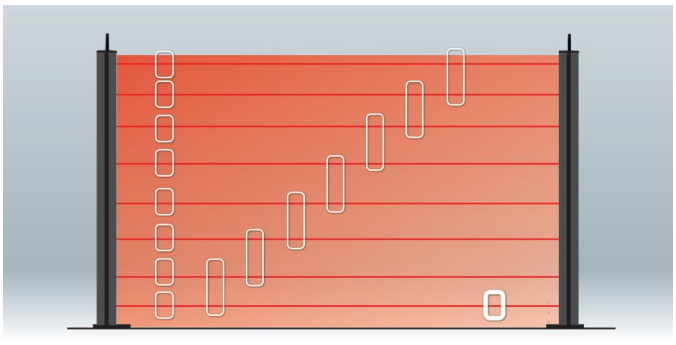
| | |
|---|---|
| Power supply value | 10 to 15 VDC (heater supports VDC / VAC) |
| Current consumption | 55 mA (1 module) |

### Physical

| | |
|---|---|
| Physical dimensions | 84 x 390 x 113 mm |
| Net weight | 1.1 kg |

### Environmental

| | |
|---|---|
| Operating temperature | -25 to +55°C |
| Environment | Draussen |
| IP rating | IP44 |



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Last updated on 18 June 2026 - 14:27