



Beam Fence

Multiplexed IR Beam Barrier



APPLICATION FIELDS: Governmental Industrial Residential

- Outdoor range: 30 mt
- Patented bi-directional IR beam technology
 - Completely unaffected by sunlight
 - Synchronized and multiplexed



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BEAM FENCE



Midi patented bi-directional infrared beam barriers for the protection of industrial buildings, long balconies and corridors. It is made up of two microprocessor logic circuits mounted with the SMD technique which manages up to 8 pairs of optical circuits within up to 3 meters aluminium pillars. Optics are multiplexed, and the alarm sounds when two optics are obscured (AND function). Maximum outdoor range 30 meters.

OPERATION

Transmitters and Receivers are crossover mounted on both pillars, allowing at least one beam to work when the other is obscured by sunlight. The installation of Beam Fence is very simple due to the automatic detection and setup of the beams, you can add additional beams to the system (BSN050HS) and the microprocessor logic automatically recognize them with no need of any setup procedure.



ACCESSORIES

BSN050HS	Additional IR beam module (TX + RX)
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*BSN050HS
Additional infrared beam module*

PRODUCT CODES ▶	BSN150HS	BSN200HS	BSN250HS	BSN300HS
OUTDOOR RANGE	30 meters			
INDOOR RANGE	60 meters			
MAX NUM. OF BEAMS	8			
COLUMN HEIGHT	1,5 meters	2,0 meters	2,5 meters	3,0 meters
OPTICAL LENS	Polycarbonate Fresnel lens (18 mm diameter)			
OPTICAL COMMUNICATION	Bi-directional + Synchronization (by wire)			
BEAM INTERRUPTION TIME	80 - 200 msec.			
ALARM OUTPUT	1 Contact Relay (C/NC) + 1 Tamper Switch (C/NC)			
POWER SUPPLY	12 VDC			
MAXIMUM CONSUMPTION	120mA (TX + RX)			
OPERATING TEMPERATURE	-25C° to +70C°			
DIMENSIONS	50 x 35 x (H) mm (W x D x H)			
HOUSING	Aluminium extruded			