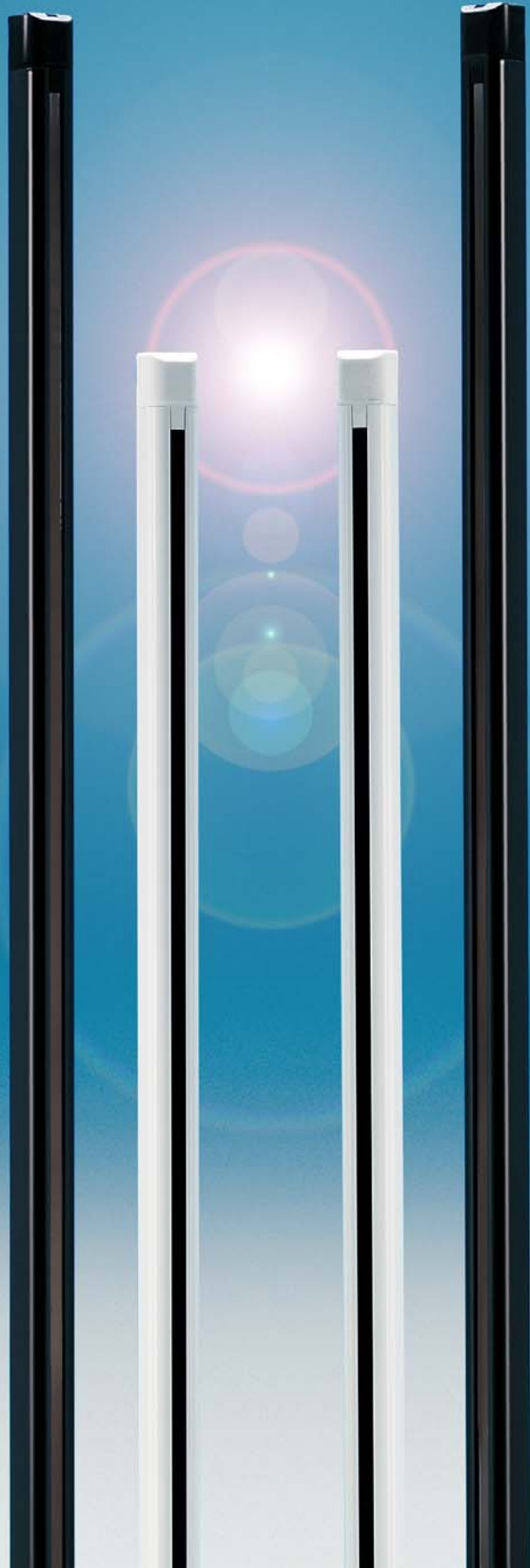


# **HESA Series 5000**

**Active Infrared Beams  
for Doors & Windows Protection**



## Active Infrared Beams for Outdoor and



The HESA 5000 Series of Infrared Barriers offers a reliable solution for outdoor and indoor perimeter protection of apartments, houses and other buildings at a moderate price.

This compact device can be unobtrusively installed to protect doors, windows and skylights in industrial and commercial premises, shops, apartments and private homes. Experience the freedom of leaving doors and windows open, with the peace of mind of knowing you are safely protected by a reliable infrared barrier.

Each beam contains two separate, independent infrared rays. The alarm will not be released if only a single ray is interrupted to make sure that insects do not trigger the alarm unnecessarily.

The narrow slot along the receiver and transmitter's aluminium body for infrared transmission and its infrared filter ensure that the sun rays and other environmental factors will not accidentally trigger a false alarm, although it is always advisable to avoid installing the receiver in direct sunlight.

HESA 5000 infrared barriers are provided with a self-alignment system and are pre-wired, with a fully sealed wiring for easy, efficient electrical connection.

For high security requirements a wall removal contact version is also available in black or white colours. A magnet should be embedded in the wall behind the aluminium body without requiring any hole in the device.



To improve the final appearance, an optional connecting extrusion is available to extend the barrier to fullfill door's or window's height. Its elegant, unobtrusive design, and the care in every detail make this barrier ideal for the most demanding customers.



### Technical Specifications

Item	5050	5051	5100	5110	5200	5210
Power supply	11.5 - 14.5V-					
Current drain (@13.8V-).						
• Transmitter	15mA		20mA		35mA	
• Receiver (in standby mode)	45mA		75mA		110mA	
(alarm mode)	30mA		55mA		95mA	
Infrared wavelength	940nm					
Maximum range (outdoor)	6 metres					
Maximum obscuration allowed	50%					
Minimum cut-off time	90msec, (equal to a 300mm diameter object crossing the barrier at a speed of 6m/sec)					
Wall removal protection	NO	YES	NO	YES	NO	YES
Alarm relay	N.C., 0.2A @ 30V-					
Size (mm)	Height:		1090		2090	
	Width:		24			
	Depth:		21			
Operating temperature	-20°C to +60°C					
IP rating	IP55					
Weight (g)	450		900		1800	

## Indoor Protection of Doors & Windows

### Features

- Tough, slim aluminium extrusion; 24 mm wide and 21 mm deep only
- Extremely narrow window for infrared transmission, to minimize sun rays' angle of incidence
- Self-alignment system with automatic beam synchronisation, does not require a synchronisation cable.
- Skylights protection: 0.59 m high, 2 beams
- Window protection: 1.09 m high, 4 beams
- Door protection: 2.09 m high, 7 beams
- Elegant, unobtrusive design which perfectly adapts to existing window and door frames
- May be installed between the windows and the blinds or shutters
- Complete, reliable perimeter protection, even with open doors and windows
- Wide range of models available, choice of two colours, black or white and three lengths, with or without wall removal tamper switch
- Optional connecting extrusion to be adapted to full height on different sized frames



### How to order

Code	Item	Description
HE505B	<b>5050B</b>	2 beam infrared coded barrier, H 0.59 m, white colour
HE505N	<b>5050N</b>	As above, black colour
HE5051B	<b>5051B</b>	Same barrier as 5050B, with wall removal tamper switch
HE5051N	<b>5051N</b>	As above, black colour
HE510B	<b>5100B</b>	4 beam infrared coded barrier, H1.09 m, white colour
HE510N	<b>5100N</b>	As above, black colour
HE511B	<b>5110B</b>	Same barrier as 5100B, with wall removal tamper switch
HE511N	<b>5110N</b>	As above, black colour
HE520B	<b>5200B</b>	7-beam infrared coded barrier, H 2.09 m, white colour
HE520N	<b>5200N</b>	As above, black colour
HE521B	<b>5210B</b>	Same barrier as 5200B, with wall removal tamper switch
HE521N	<b>5210N</b>	As above, black colour
HE519B	<b>5190B</b>	Connecting extrusion, H1.50 m, supplied with 2 stoppers and a slot in the profile at each end. It can be cut as required, white colour
HE519N	<b>5190N</b>	As above, black colour

# Elegant and unobtrusive, Series 5000 barriers protect you without showing off



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