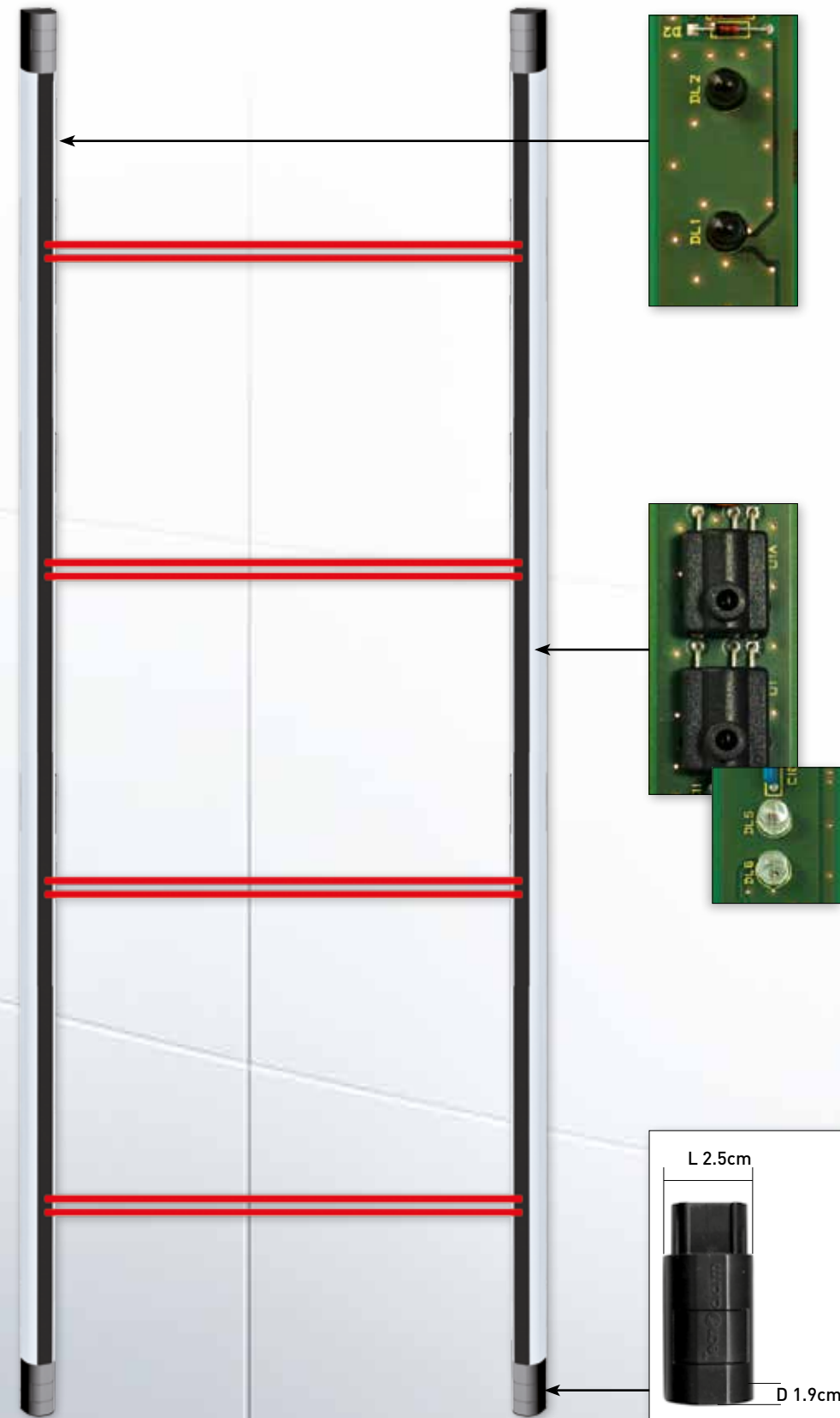


General principles and characteristics

The WINBEAM/S and DOORBEAM/S barriers have been designed so as to offer the best perimeter protection of apartments, homes and any other kind of building. They are high-performance devices with smart functioning features, operational flexibility, easy installation features and total compatibility with the remote management systems, thus permitting the Tecnoalarm professional installer to efficiently respond to any kind of customer requirements.



IR transmitter

Each of the beams generated by the transmitter is composed of two independent and parallel rays. The alarm is only released if both rays are interrupted simultaneously. The 19mm distance between the two rays helps to discriminate very small targets and to reduce significantly the risk of false alarms.

IR receiver

The receiver is equipped with a collimator and a calibrated optical filter to prevent other light sources from disturbing it.

Wiring

Wiring between the TX and RX column and between the barrier and the control panel is made with a 3-wires cable. Two wires provide power supply, the third one provides serial communication. Watertight plastic caps integrate the fixing holes and protect the cable output.

WINBEAM/S - DOORBEAM/S - Technical and functional specifications

Programming	Beam power	3 settings (4m, 8m or 16m range)			
	Cable position	2 settings			
	Beams	Enabling/disabling of each single beam			
	Response time	2 settings			
	Detection logic	4 settings			
Connection	Contact type	Zone Bus			
	Cable	6m prewired cable			
	Wiring	3 conductors (2 for power supply + 1 zone input)			
	Synchronization	Digital automatic			
Electrical characteristics	Operating voltage	9.5V...14.5V DC			
	Rated voltage	12V DC			
Physical characteristics	Casing	Anodized aluminum			
	Operating temperature	-5°C...+55°C			
	Environmental class	III (EN 50130-5)			
	Protection class	IP52			
Consumption	Model	TX min.	TX max.	RX stand-by	RX alarm
	WINBEAM/S 60	7.2mA	16.5mA	10mA	18mA
	WINBEAM/S 80	7.5mA	19mA	11mA	19mA
	WINBEAM/S 105	7.6mA	21.5mA	12mA	20mA
	WINBEAM/S 130	7.7mA	24mA	13mA	21mA
	DOORBEAM/S 155	7.8mA	26.5mA	14mA	22mA
	DOORBEAM/S 180	8mA	29mA	15mA	23mA
	DOORBEAM/S 205	8.2mA	31.5mA	16mA	24mA

MODELS

MODEL	ITEM NO. BROWN	ITEM NO. WHITE	ITEM NO. GRAY MET.	DIMENSIONS (L x H x D)	BEAMS
WINBEAM/S 60	F102WINBS60	F102WINBS60BI	F102WINBS60GR	2.5 x 60 x 1.9cm	2
WINBEAM/S 80	F102WINBS80	F102WINBS80BI	F102WINBS80GR	2.5 x 80 x 1.9cm	3
WINBEAM/S 105	F102WINBS105	F102WINBS105BI	F102WINBS105GR	2.5 x 105 x 1.9cm	4
WINBEAM/S 130	F102WINBS130	F102WINBS130BI	F102WINBS130GR	2.5 x 130 x 1.9cm	5
DOORBEAM/S 155	F102DOORBS155	F102DOORBS155BI	F102DOORBS155GR	2.5 x 155 x 1.9cm	6
DOORBEAM/S 180	F102DOORBS180	F102DOORBS180BI	F102DOORBS180GR	2.5 x 180 x 1.9cm	7
DOORBEAM/S 205	F102DOORBS200	F102DOORBS200BI	F102DOORBS200GR	2.5 x 205 x 1.9cm	8

Cut-to-measure: The barriers can be made to measure with column heights from 535mm to 2888mm.

The product features can be subject to change without notice.



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WINBEAM/S DOORBEAM/S

Serial infrared barriers for doors and windows



The WINBEAM/S and DOORBEAM/S barriers represent the perfect solution for the access protection in both residential and industrial applications. The vast range, available in several colors and heights, and even made to measure, is characterized by an elegant and functional design which permits a perfect blending with any architectural framework.



Tecnoalarm
Hi-Tech Security Systems



Tecnoalarm RSC® Technology

RSC® technology (Remote Sensitivity Control) permits remote monitoring of all of the system's components connecting the system through a modem at any time and anywhere, regardless of the accessibility of the installation. The possibility of adjusting all of the parameters from a distance traduces into saving of time and costs of installation and programming as well as the possibility of constant monitoring of the barrier's functional efficiency. In this way, the installer is able to provide a 24h telemaintenance service.



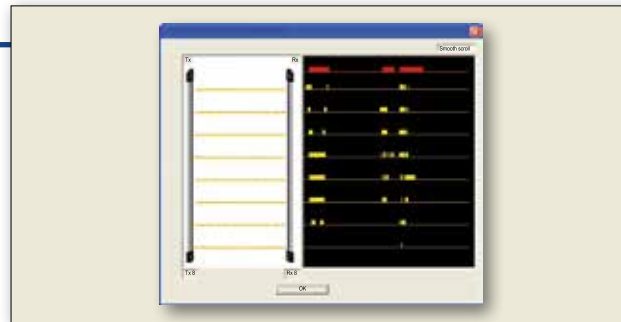
Programming

Parameterization of the barriers can be made remotely through the Tecnoalarm remote management software. The software permits programming of all of the barrier's functioning parameters easily on a single table: the detection logic, the cable position (information needed for beam numbering), enabling or disabling of the beams, the beam power and the response time.



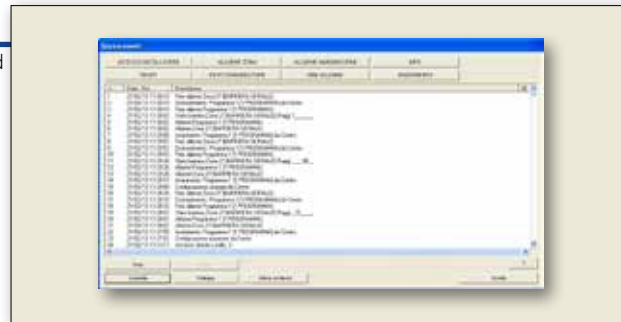
Functioning monitor

The functioning monitor shows the status of the barrier through a graph permitting monitoring of the functional efficiency of all of the barrier's beams. For each of them alignment, interruption and exclusion are indicated.



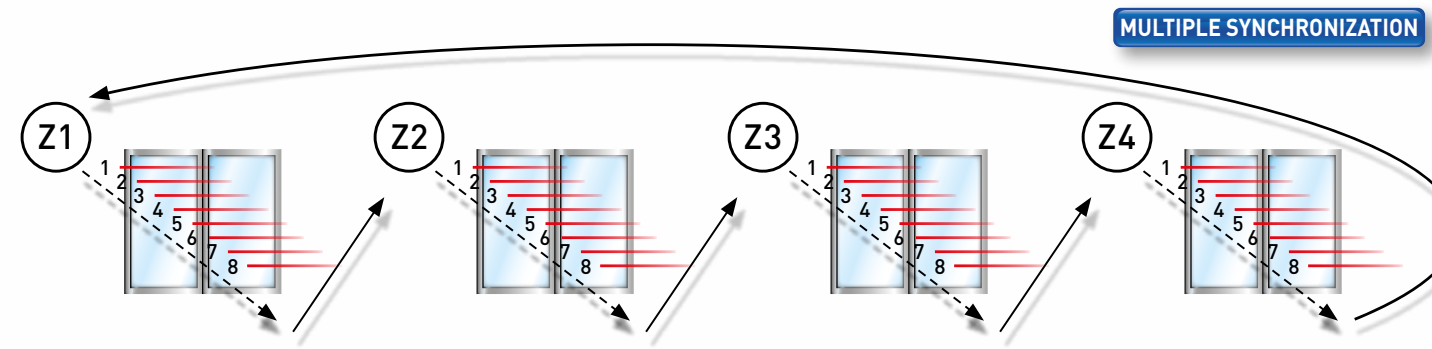
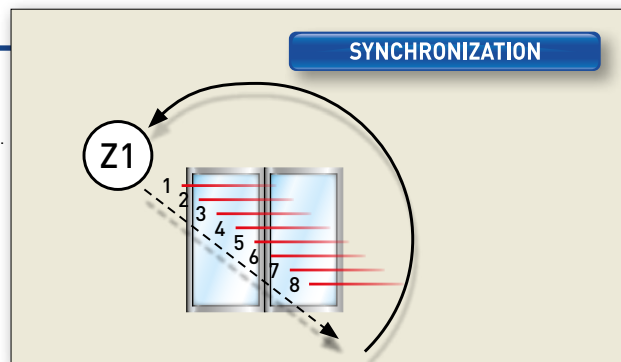
Event log

The event log of the system records the detail of the alarm events released by the barriers, i.e. which and how many beams have been interrupted. Each beam is identified with a number permitting a thorough analysis and evaluation of the alarm event. The events are recorded in reverse chronological order and with indication of date and time.



Synchronization

The barriers consist of a transmitter and a receiver column which provide two to eight beams, each of them being composed of two rays. The IR emission is controlled by a synchronism, which determines the switching on and off of one beam at a time in rapid sequence (multiplexer). The synchronism is generated by the control system and not by the barrier itself: an exclusive technique by Tecnoalarm permitting the synchronization of several barriers per installation. This solution protects the barriers against the interferences caused by the reflection of the other pairs of barriers.



WINBEAM/S 60



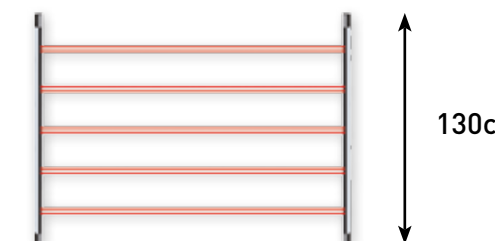
WINBEAM/S 80



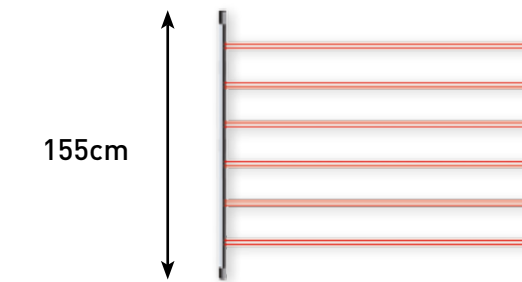
WINBEAM/S 105



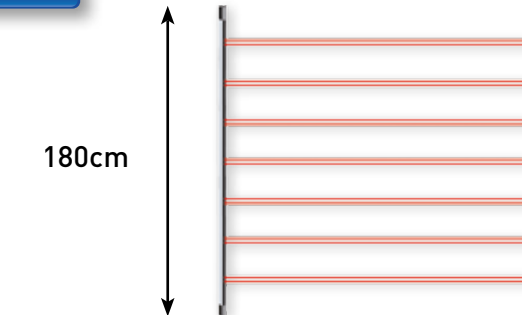
WINBEAM/S 130



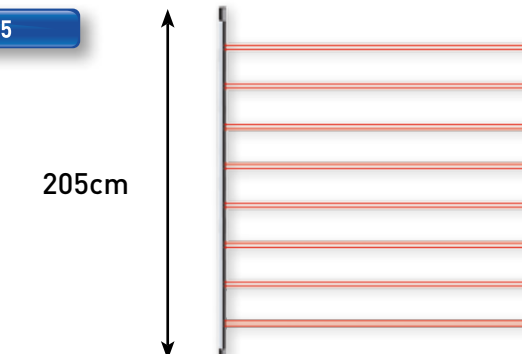
DOORBEAM/S 155



DOORBEAM/S 180



DOORBEAM/S 205



Available colors

- White
- Brown
- Gray metallic

Compatibility

The barriers are compatible with all Tecnoalarm devices providing Zone Bus inputs.

