

# BARRIERS AND SENSORS



CATALOGUE 2019-2020

# MITECH<sup>®</sup>

## SECURED BY INNOVATION

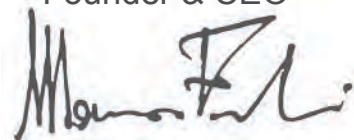
Mitech<sup>®</sup> manufactures a complete range of intrusion perimeter barriers and sensors of utmost reliability and high quality, Made in Italy, for residential, industrial and high security areas.

The Company pays specific attention to the R&D for a worry-free environment by introducing accessories which enhance integrative solutions for the perimeter set-up as well as for specific requirements of the installation's surroundings.

Mitech<sup>®</sup>, owing to a direct management intervention and exhaustive product documentation, differs by paying particular attention to provide its customers design plan and product configuration as part of the after sales support.

Today Mitech<sup>®</sup> relies on a consolidated distribution network throughout the domestic market. Over the recent years it is expanding rapidly in many foreign countries by means of solid partnerships undertaken with qualified security distributors and well-reputed system integrators firms.

Maurizio Fantoni  
Founder & CEO



## PERIMETER PROTECTIONS

### COLUMNS

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<b>GARDEN and TOWER MAGNUS - Double technology .....</b>	<b>page 6</b>
<b>GARDEN and TOWER IR - Active infrared .....</b>	<b>page 8</b>
<b>TOWER BOX - Without electronics .....</b>	<b>page 18</b>

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### BARRIERS

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<b>MICRO 8 - Microwave .....</b>	<b>page 12</b>
<b>FOSTER and FOSTER Power - Active infrared .....</b>	<b>page 14</b>
<b>GEMINI - Active infrared .....</b>	<b>page 16</b>
<b>QUAD - Active infrared .....</b>	<b>page 16</b>

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## DOOR AND WINDOW PROTECTIONS

### BARRIERS

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<b>WINNER - Active infrared .....</b>	<b>page 20</b>
<b>ROYAL - Active infrared with optical synchronization .....</b>	<b>page 21</b>
<b>TRENDY - Active infrared and self-powered .....</b>	<b>page 22</b>

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### SENSORS

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<b>TWIN WS and TWIN – Double PIR curtain sensors .....</b>	<b>page 24</b>
<b>TWIN WS DT and TWIN DT – Double technology curtain sensors .....</b>	<b>page 25</b>
<b>SMART – Double technology curtain sensor .....</b>	<b>page 26</b>
<b>RELLOS – PIR curtain sensor .....</b>	<b>page 26</b>

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# PERIMETER PROTECTIONS





# GARDEN and TOWER MAGNUS

DOUBLE TECHNOLOGY COLUMNS (IR+MW) - MAXIMUM RANGE 100 m - IP65

Available in terminal and bi-directional version

The GARDEN version is camouflaged as a lamp post

**GARDEN** and **TOWER MAGNUS** are the dual technology perimeter columns with utmost reliability and efficacy.

The **GARDEN** version is camouflaged as a lamp post that combines aesthetics with functionality to a reliable security device. It is pre-cabled and ready for installation, composed of a transmitting and a receiving unit. The transmitter emits a codified sequence of infrared beams and high frequency electromagnetic waves directed to the respective receiver.

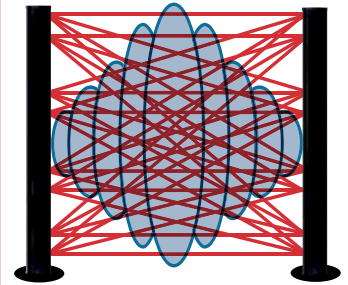
The microwave device uses planar antennas of new generation and military derivation with reduced size owing to the absence of the cumbersome parabolic antenna.

**GARDEN** and **TOWER MAGNUS** are also indicated for harsher environments and weather situations (low temperatures, fog, humidity, gusts of winds) thanks to the built-in automatic temperature control device and the disqualification system and sturdy aluminium structure.

**TOWER** product code: TW MA

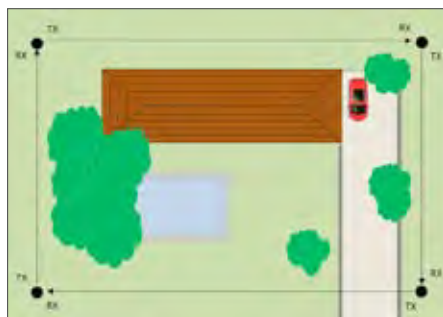
**GARDEN** product code: GAR MA

Please refer to the price list to find all complete product codes and costs.



## INSTALLATIONS SOLUTIONS

Solution with bi-directional columns



Solution with terminal columns



Solution with terminal and bi-directional columns



## VERSIONS



TECHNICAL FEATURES	
Maximum and minimum range	Maximum: 100 m - minimum: 15 m (for distances of less than 15 m please contact the supplier)
Column diameter and height	Diameter: 14 cm - height: 1,5 m – 2,0 m – 2,5 m – 3,0 m (for non-standard heights, please contact the supplier)
Column structure	Extruded aluminum and IR polycarbonate
Power supply	12 Vdc - 24Vac (for heaters)
Disqualification	Automatic
Maximum absorption	390 mA (TX 120 mA - RX 270 mA) - Maximum consumption of heaters RX 30W - TX 30W
Operating temperature	- 35°C + 70°C (with heat regulator)
Protection class	IP65
Standard accessories	Base for ground mounting or bracket wall mounting

INFRARED TECHNOLOGY FEATURES	
Synchronization	Optical
Maximum number of lenses	3 double lenses (18 crossed beams)
Alignment angle	Vertical 30° - horizontal 180°
Detection system	OR-AND with the possibility of remote AND activation
Anti-masking	Automatic
Tripping time	Adjustable from 50 to 500 ms
Alarm and tamper output	Alarm: NC/NO relay contact – Tamper: NC contact
Led indicators	Power supply - Anti-masking - Heating - Low signal - Alarm - Detection
IR signal	Coded pulse

MICROWAVE TECHNOLOGY FEATURES	
Lobe height	Max. 2,5 m
Lobe aperture	50 m range: 0,6 m at 25 m - 100 m range: 1,2 m at 50 m
Operating frequency	24.000 ÷ 24.250 GHz (K band)
Selectable frequencies	250
Serial communication	RS485
Detection speed	From 0,1 to 10,0 m/s
Horizontal alignment angle	180°
Recovery time after alarm notification	10 s
Minimal signal duration	5 s
Reporting system	NC



# GARDEN and TOWER IR

ACTIVE INFRARED COLUMNS - MAXIMUM RANGE 100 m - IP65

Available in terminal and bi-directional version

The GARDEN version is camouflaged as a lamp post

**GARDEN** and **TOWER IR** are the perimeter columns with crossed beams and double lens. The **GARDEN** version is camouflaged as a lamp post that combines aesthetics with functionality to a reliable security device. Both pre-cabled and ready for installation they are composed of a transmitting and a receiving unit. The transmitter emits a coded sequence of infrared beams which are detected by all the receivers.

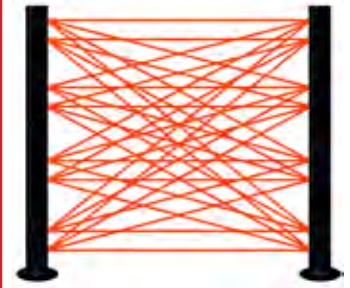
The columns are supplied with optical synchronism because each beam is recognized by means of differentiated optical codes (optical synchronization).

**GARDEN** and **TOWER IR** are more suitable for harsher environments and weather situations (low temperatures, fog, humidity, gusts of winds) thanks to the built-in automatic temperature control device, the disqualification system and sturdy aluminum structure.

**TOWER** product code: TW

**GARDEN** product code: GAR

Please refer to the price list to find all complete product codes and costs.



## INSTALLATION SOLUTIONS

Solution with bi-directional columns



Solution with terminal columns



Solution with terminal and bi-directional columns





## VERSIONS



## ACCESSORIES



## TECHNICAL FEATURES

<b>Maximum and minimum range</b>	maximum: 100 m - minimum: 15 m (for distances of less than 15 m please contact the supplier)
<b>Column height</b>	1,0 m - 1,5 m – 2,0 m – 2,5 m – 3,0 m (for non-standard heights, please contact the supplier)
<b>Column diameter</b>	14 cm
<b>Column structure</b>	Extruded in aluminum and IR polycarbonate
<b>Power supply</b>	12 Vdc - 24Vac (for heaters)
<b>Disqualification</b>	Automatic
<b>Maximum absorption</b>	390 mA (TX 120 mA - RX 270 mA) - Maximum consumption of heaters RX 30W - TX 30W
<b>Operating temperature</b>	- 35°C + 70°C (with heat regulator)
<b>Synchronization</b>	Optical
<b>Maximum number of lenses</b>	5 double lenses (50 crossed beams)
<b>Alignment angle</b>	vertical 30° - horizontal 180°
<b>Detection system</b>	OR-AND with the possibility of remote AND activation
<b>Anti-masking</b>	Automatic
<b>Tripping time</b>	Adjustable from 50 to 500 ms
<b>Alarm and tamper output</b>	Alarm: NC/NO relay contact – Tamper: NC contact
<b>Led indicators</b>	Power supply - Anti-masking - Heating - Low signal - Alarm - Detection
<b>IR signal</b>	Coded pulse
<b>Protection class</b>	IP65
<b>Standard accessories</b>	Base for ground mounting or bracket wall mounting







# MICRO 8

MINI DIGITAL MICROWAVE BARRIER WITH PLANAR ANTENNA - K BAND - MAXIMUM RANGE 200 m - IP65

Only 8 cm diameter - Verry narrow lobe aperture (1,2 m)  
250 frequencies

**MICRO 8** is the new mini microwave perimeter barrier. Ready for installation it is composed of a transmitting and a receiving unit. The transmitter emits high frequency electromagnetic waves directed to the respective receiver. The microwave device uses planar antennas of new generation and military derivation with reduced dimensions owing to the absence of the cumbersome parabolic antenna.

**MICRO 8** is more suitable for harsher environments and weather situations (low temperatures, fog, humidity, gusts of winds).

**MICRO 8** product code: MICRO 8

Please refer to the price list to find all complete product codes and costs.



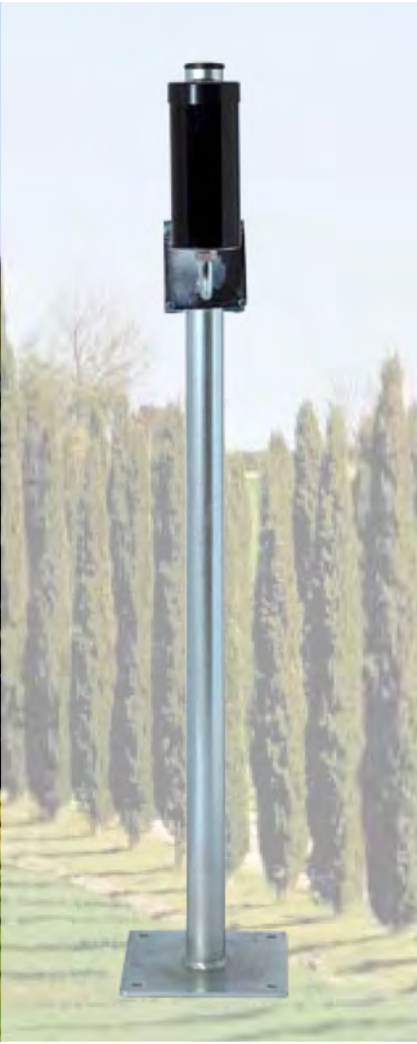
TECHNICAL FEATURES	
Maximum and minimum range	Max.: 200 m - min.: 5 m
Column diameter and height	Diameter: 8 cm - height: 20 cm
Column structure	Extruded in aluminum and IR polycarbonate
Power supply	12 Vdc
Maximum absorption	390 mA (TX 120 mA - RX 270 mA)
Lobe height	2,5 m
Lobe aperture	50 m range: 0,6 m at 25 m 100 m range: 1,2 m at 50 m 200 m range: 2,4 m at 100 m
Operating frequency	24.000 ÷ 24.250 GHz (K band)
Selectable frequencies	250
Serial communication	RS485
Detection speed	From 0,1 to 10,0 ms
Horizontal alignment angle	180°
Recovery time after alarm notification	10 s
Minimal signal duration	5 s
Reporting system	NC
Protection class	IP 65
Standard accessories	Pole and wall mounting brackets

ACCESSORIES
MICRO PL Pole for ground fixing Height: 110 cm

FTN POW Power supply





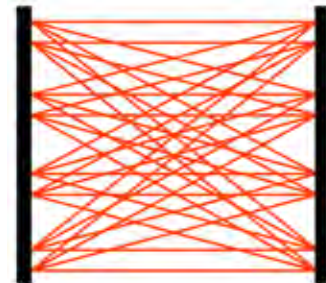



# FOSTER and FOSTER Power

ACTIVE INFRARED BARRIERS - MAXIMUM RANGE 100 m - IP65

Also available in double and single lens version

**FOSTER** and **FOSTER Power** are the perimeter IR barriers with crossed beams for protection of external areas, with a pleasant design and compact dimensions. Pre-cabled and ready for installation FOSTER and FOSTER Power are composed of a transmitting and a receiving unit. The transmitter emits a coded sequence of infrared beams which are detected by all the receivers. Due to their innovative features and sophisticated technological content, they belong to the top-end product range but they are offered at a really unrivalled price/ quality ratio. Available in different versions and heights, they can be installed on a pole or wall and used in combination with columns TOWER and GARDEN IR. **FOSTER** and **FOSTER Power**, standard equipped with automatic temperature control device, disqualification system and sturdy aluminum structure, are synonymous with security and reliability. **FOSTER Power** is the version with integrated power supply.



**FOSTER** product code: FTN - **FOSTER Power** product code: FTN PW

Please refer to the price list to find all complete product codes and costs.

TECHNICAL FEATURES	
Maximum range	100 m (Foster double lens) - 70 m (Foster mono lens)
Minimum range	15 m (for distances of less than 15 m please contact the supplier)
Barrier heights	1,0 m - 1,5 m - 2,0 m - 2,5 m - 3,0 m (for non-standard heights, please contact the supplier)
Dmensions	Width: 6,4 cm - depth: 6,9 cm
Barrier structure	Extruded in aluminum and IR polycarbonate
Power supply	12 Vdc - 24Vac (for heaters)
Disqualification	Automatic
Maximum absorption	390 mA (TX 120 mA - RX 270 mA) - Maximum consumption of heaters RX 30W - TX 30W
Operating temperature	- 35°C + 70°C (with heat regulator)
Synchronization	Optical
Maximum number of lenses	5 double lenses (50 crossed beams)
Alignment angle	Vertical 30° - horizontal 180°
Detection system	OR-AND with the possibility of remote AND activation
Anti-masking	Automatic
Tripping time	Adjustable from 50 to 500 ms
Alarm and tamper output	Alarm: NC/NO relay contact – Tamper: NC contact
Led indicators	Power supply - Anti-masking - Heating - Low signal - Alarm - Detection
IR signal	Coded pulse
Protection class	IP65



## ACCESSORIES

FTN WL  
Wall mounting bracket



FTN SUP  
Pole mounting brackets



FTN PL  
Pole for ground fixing  
Height: 2,0 m



GAR POW  
Dual power supply  
(12 Vdc - 24 Vac)



## INSTALLATION SOLUTIONS

Solution with pole fixing 1



Solution with pole fixing 2



Solution with wall fixing



Solution in combination with IR bi-directional columns







# GEMINI and QUAD

ACTIVE INFRARED MINI BARRIERS - IP55

Available in two and four lenses version

**GEMINI** and **QUAD** are the mini IR barriers with dual lens and small dimensions.

Ready for installation they consist of a transmitter and a receiver with 8 digital selectable frequencies. **GEMINI** is available in three versions, **GEMINI 30**, **GEMINI 60** and **GEMINI 100**.

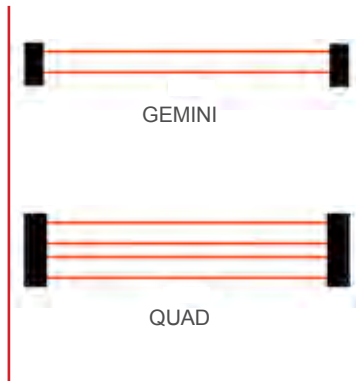
**GEMINI** and **QUAD** can be installed on a pole, wall or in combination with our empty TOWER-GARDEN columns. They are easy to install, available with optical synchronization and are offered at a really unrivalled price/quality ratio.

The fixing brackets are included in the package.

**QUAD** product code: QUAD

**GEMINI** product codes: **GEMINI 30**, **GEMINI 60** and **GEMINI 100**

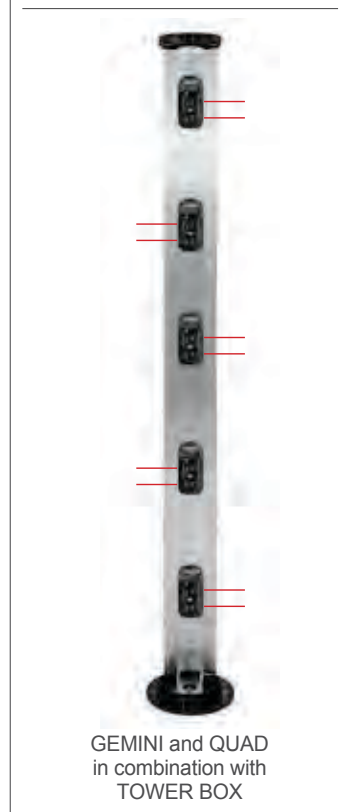
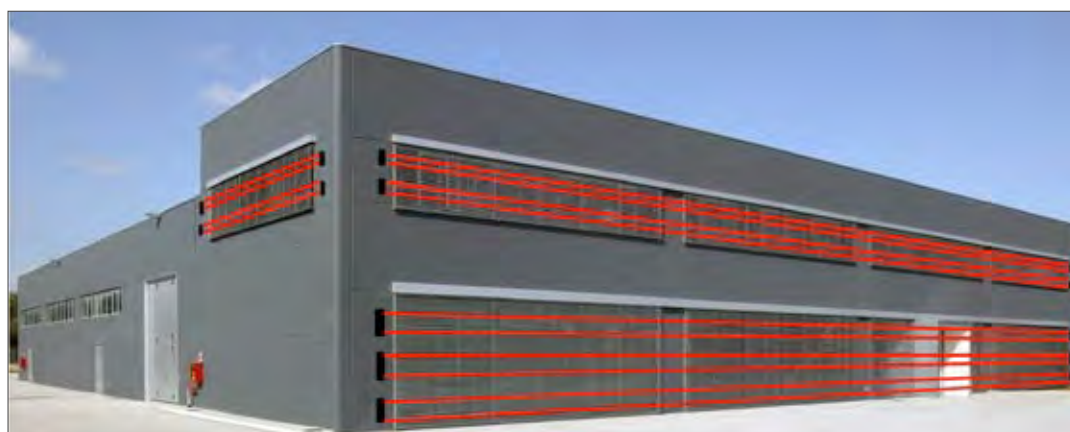
Please refer to the price list to find all complete product codes and costs.



TECHNICAL FEATURES	
Maximum range outdoors	200 m (QUAD) 100 m (GEMINI 100) 60 m (GEMINI 60) 30 m (GEMINI 30)
Minimum range outdoors	100 m (QUAD) 50 m (GEMINI 100) 30 m (GEMINI 60) 15 m (GEMINI 30)
Dimensions	QUAD: 310 x 95 x 95 mm GEMINI: 170 x 80 x 80 mm
Synchronization	Optical, aligning with the viewfinder and led signal
Power supply	13.8 – 24 Vdc
Vertical alignment angle	20° (+/- 10°)
Horizontal alignment angle	180° (+/- 90°)
Operating temperature	-25°C + 55°C
Alarm output	NC/NO relay contact
Acoustic signal	Buzzer alarm and status during programming
Tripping time	Adjustable between 50 and 240 ms
Protection class	IP55
Standard accessories	Pole and wall mounting brackets



AVAILABLE ACCESSORIES IN COMBINATION WITH TOWER BOX						
GAR GR Base for ground fixing 200 x 210 mm Ø 33 cm	GAR WL Bracket for wall mounting 200 x 210 mm Ø 33 cm	GAR POW Dual power supply 12 Vdc - 1,5 Ah 24 Vac - 2,0 Ah	TW PRCAP Anti-climbing pressure cap	GAR LAMP Ø 32 cm cognac white	GAR LUMYA	TW CAMCAP



GEMINI and QUAD in combination with TOWER BOX





# TOWER BOX

## PERIMETER COLUMN

Available in different heights and configurations

The **TOWER BOX** perimeter columns, thanks to their sophisticated design and their robustness, offer an effective solution for the perimeter protection of civil and industrial areas.

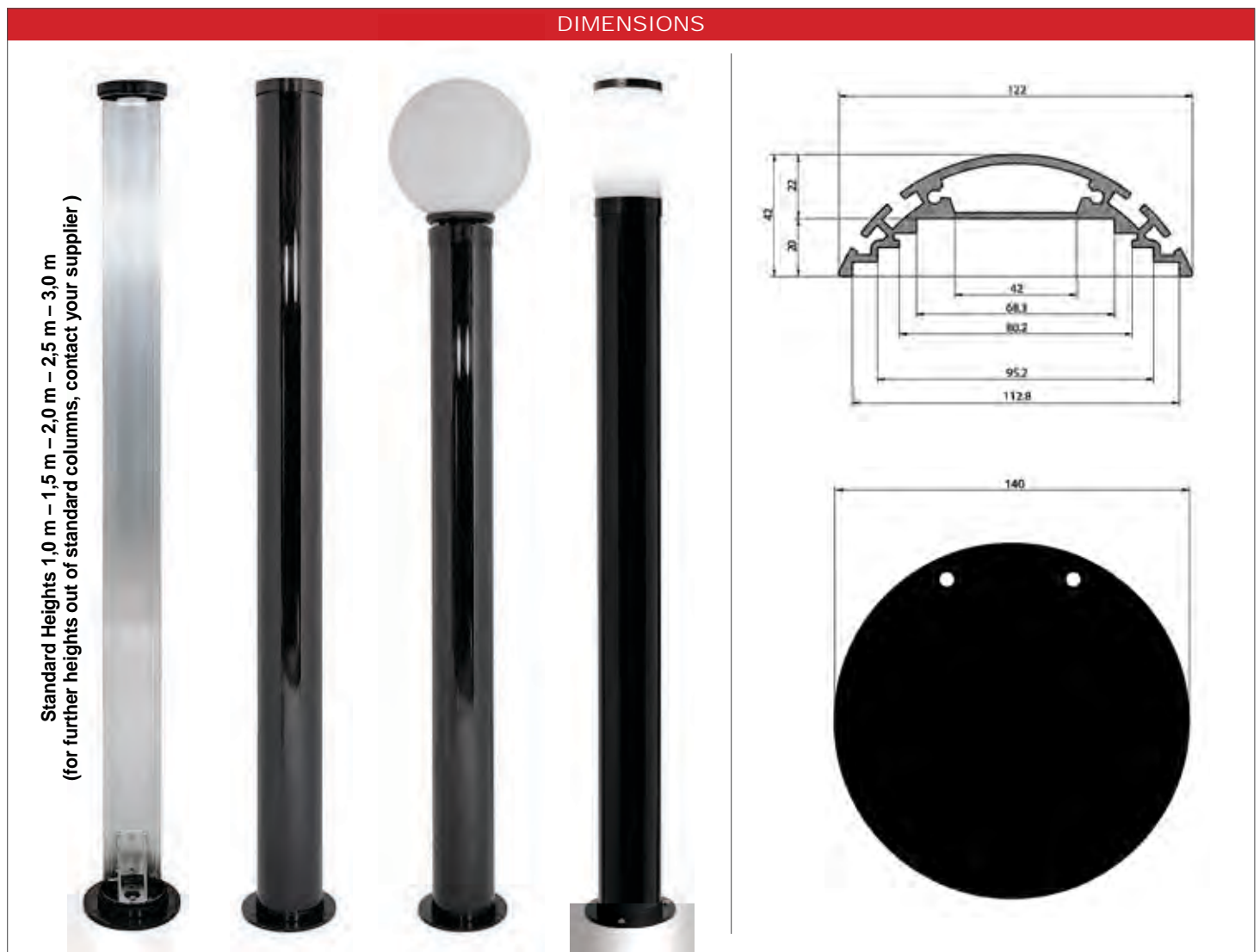
The prerogative of installing inside most of the barriers on the market ensures maximum reliability even in hostile environments and bad weather conditions (low temperatures, fog, humidity, gusts of wind).

Particularly recommended is the version with light fixture.

**TOWER BOX product code: TW BOX**

Please refer to the price list to find all complete product codes and costs.

### DIMENSIONS



### ACCESSORIES





# DOOR AND WINDOW PROTECTIONS



# WINNER

ACTIVE INFRARED BARRIER - **MAXIMUM RANGE 15 m - IP54**

Available in white and black colours

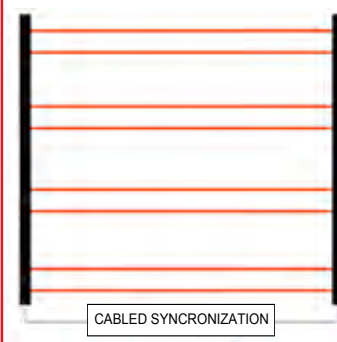
**WINNER** is the dual led IR barrier with parallel beams. It consists of two symmetrical bars to be installed on either sides of the entrances to be protected and it allows to anticipate intrusion by leaving freedom to move indoors with even windows and doors open.

Thanks to its compact dimensions it can be easily installed in small spaces including the interspaces between doors and windows, rolling blinds and shutters.

**WINNER** ensures an excellent standard of reliability, high immunity to sunlight and insects. It is robust, safe, easy to install, available in black and white colours and has a range of 15 m.

**WINNER** product code: WIN

Please refer to the price list to find all complete product codes and costs.

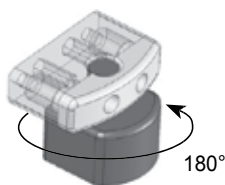


TECHNICAL FEATURES			
<b>Barrier height</b>	0,5 m-1,0 m-1,5 m -2,0 m-2,5 m-3,0 m (for non-standard heights, please contact the supplier)		
<b>Dimensions</b>	BAR DIMENSIONS WITH COVER 	UPPER CAP DIMENSIONS 	LOWER CAP DIMENSIONS 
<b>Barrier structure</b>	Extruded in aluminum and IR polycarbonate, customized bar sizes available on request		
<b>Operating temperature</b>	25°C + 70°C		
<b>IR signal</b>	Coded pulse		
<b>Maximum range outdoors</b>	15 m (black version) - 3,5 m (white version)		
<b>Minimum range outdoors</b>	20 cm for all heights		
<b>Power supply</b>	12 Vdc		
<b>Maximum absorption</b>	110 mA - TX+RX		
<b>Synchronization</b>	Cabled		
<b>Maximum number of lenses</b>	10 double lenses		
<b>Maximum number of beams</b>	20 linear (beams adjustable within the bar)		
<b>Detection system</b>	OR-AND		
<b>Tripping time</b>	Adjustable from 50 to 500 ms		
<b>Alarm output</b>	NC relay contact		
<b>Tamper output</b>	NC contact		
<b>Led indicators</b>	Synchronization - Alarm		
<b>Protection class</b>	IP54		



## ACCESSORIES

WIN TW  
Swivel turn pivot  
for angle adjustment





# ROYAL

ACTIVE INFRARED BARRIER WITH OPTICAL SYNCHRONIZATION - MAXIMUM RANGE 5 m - IP54

Only available in black colour

**ROYAL** is the new cabled dual led IR barrier with parallel beams and optical synchronism. It consists of two symmetrical bars to be installed on either sides of the entrances to be protected and it allows to anticipate intrusion by leaving freedom to move indoors with even windows and doors open.

Thanks to its compact dimensions it can be easily installed in small spaces including the interspaces between doors and windows, rolling blinds and shutters.

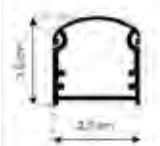


**ROYAL** ensures an excellent standard of reliability, high immunity to sunlight and insects.

It is robust, safe, easy to install and has a maximum range of 5 m.

**ROYAL** product code: ROY

Please refer to the price list to find all complete product codes and costs.

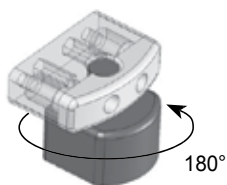


TECHNICAL FEATURES			
<b>Barrier height</b>	0,5 m-1,0 m-1,5 m -2,0 m-2,5 m-3,0 m (for non-standard heights, please contact the supplier)		
<b>Dimensions</b>	BAR DIMENSIONS WITH COVER 	UPPER CAP DIMENSIONS 	LOWER CAP DIMENSIONS 
<b>Barrier structure</b>	Extruded in aluminum and IR polycarbonate, customized bar sizes available on request		
<b>Operating temperature</b>	25°C + 70°C		
<b>IR signal</b>	Coded pulse		
<b>Maximum range outdoors</b>	5 m		
<b>Minimum range outdoors</b>	20 cm for all heights		
<b>Power supply</b>	12 Vdc		
<b>Maximum absorption</b>	110 mA - TX+RX		
<b>Synchronization</b>	Optical		
<b>Maximum number of lenses</b>	6 double lenses		
<b>Maximum number of beams</b>	12 linear (beams adjustable within the bar)		
<b>Detection system</b>	OR-AND		
<b>Tripping time</b>	Adjustable from 50 to 500 ms		
<b>Alarm output</b>	NC relay contact		
<b>Tamper output</b>	NC contact		
<b>Led indicators</b>	Synchronization - Alarm		
<b>Protection class</b>	IP54		



## ACCESSORIES

WIN TW  
Swivel turn pivot  
for angle adjustment



# TRENDY

SELF-POWERED ACTIVE INFRARED BARRIER - **MAXIMUM RANGE 5 m - IP54**

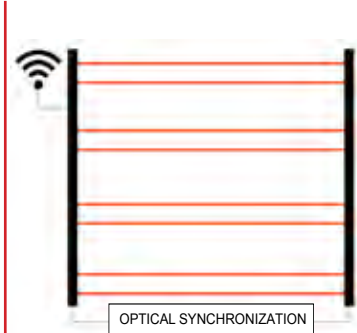
Compatible with any radio transmitter

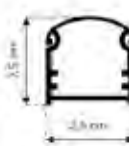

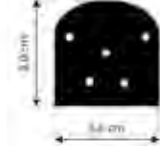
**TRENDY** is the wireless dual led IR barrier with parallel beams, powered by lithium batteries (24 months autonomy) and compatible with any radio transmitter. It consists of two symmetrical bars to be installed on either sides of the entrances to be protected and it allows to anticipate intrusion by leaving freedom to move indoors with even windows and doors open. Thanks to its compact dimensions it can be easily installed in small spaces including the interspaces between doors and windows, rolling blinds and shutters.

**TRENDY** ensures an excellent standard of reliability, high immunity to sunlight and insects. It is robust, safe, easy to install and has a maximum range of 5 m.

**TRENDY product code: TR**

Please refer to the price list to find all complete product codes and costs.

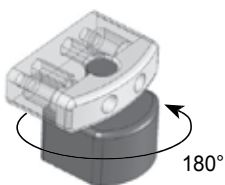


TECHNICAL FEATURES			
<b>Barrier height</b>	0,5 m-1,0 m-1,5 m -2,0 m-2,5 m-3,0 m (for non-standard heights, please contact the supplier)		
<b>Dimensions</b>	BAR DIMENSIONS WITH COVER 	UPPER CAP DIMENSIONS 	LOWER CAP DIMENSIONS 
<b>Barrier structure</b>	Extruded in aluminum and IR polycarbonate, customized bar sizes available on request		
<b>Operating temperature</b>	25°C + 70°C		
<b>IR signal</b>	Coded pulse		
<b>Maximum range outdoors</b>	5 m		
<b>Minimum range outdoors</b>	20 cm for all heights		
<b>Power supply</b>	3.6 V/ 4800 mAh lithium batteries (autonomy 2 years)		
<b>Maximum absorption</b>	415 µA (TX 195 µA – RX 220 µA)		
<b>Synchronization</b>	Optical		
<b>Maximum number of lenses</b>	6 double lenses		
<b>Maximum number of beams</b>	12 linear (beams adjustable within the bar)		
<b>Detection system</b>	OR-AND		
<b>Tripping time</b>	Adjustable from 50 to 500 ms		
<b>Alarm output</b>	NC relay contact		
<b>Tamper output</b>	NC contact		
<b>Led indicators</b>	Synchronization - Alarm		
<b>Protection class</b>	IP54		

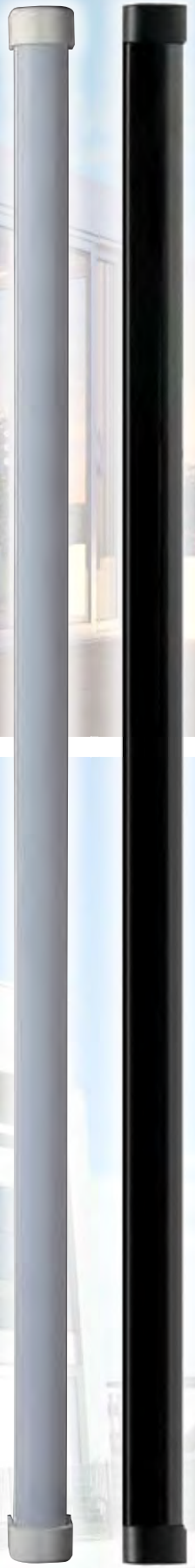


## ACCESSORIES

WIN TW  
Swivel turn pivot  
for angle adjustment







# TWIN WS and TWIN

DOUBLE PIR CURTAIN SENSORS - IP54

Available in white and brown colours

**TWIN WS** and **TWIN** are the dual passive infrared curtain sensors with double anti-masking device for doors and windows. **TWIN WS** is the self-powered version compatible with any radio transmitter that can be installed inside it. **TWIN** is the cabled version.

Weather resistant, they have reduced dimensions that make them suitable for protecting small spaces including the interspace between doors and windows, rolling blinds and shutters.

**TWIN WS** product code: **TWIN WS B** (white colour) and **TWIN WS M** (brown colour)

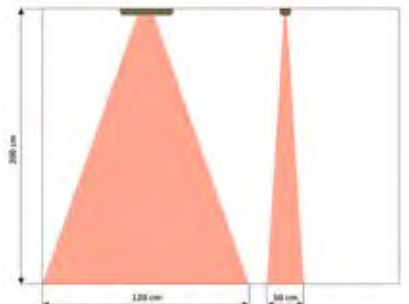
**TWIN** product code: **TWIN B** (white colour) and **TWIN M** (brown colour)

Please refer to the price list to find all complete product codes and costs.

## TWIN WS

### TECHNICAL FEATURES

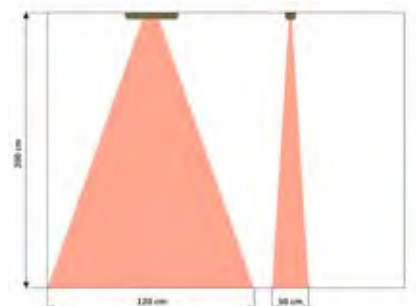
Maximum range 4 m
Compatible with any radio transmitter
Double PIR
Power supply: 1 Lithium Battery 3.6 V
Double anti-masking
Dimensions: 280 x 40 x 26 mm
Horizontal detection angle: 35°
Operating temperature: from -20°C up to +50°C (humidity 85%)
AND/OR programming
Number of pulses: 1 or 2 pulses in 2,5 s
ON/OFF led selector
Temperature automatic compensation
4 detection areas
Tropicalized board
Protection class IP54



## TWIN

### TECHNICAL FEATURES

Maximum range 4 m
Double PIR
Power supply: 11.5 / 15.5 Vcc
Double anti-masking
Dimensions: 190 x 30 x 26 mm
Horizontal detection angle: 35°
Operating temperature: from -20°C up to +50°C (humidity 85%)
AND/OR programming
Number of pulses: 1 or 2 pulses in 2,5 s
ON/OFF led selector
Temperature automatic compensation
4 detection areas
Tropicalized board
Protection class IP54





# TWIN WS DT and TWIN DT

DOUBLE TECHNOLOGY CURTAIN SENSORS - **IP54**

Available in white and brown colours

**TWIN WS DT** and **TWIN DT** are the dual technology curtain sensors with double masking device for doors and windows.

**TWIN WS DT** is the self-powered version compatible with any radio transmitter that can be installed inside it.

**TWIN DT** is the cabled version.

Weather resistant, they have reduced dimensions that make them suitable for protecting small spaces including the interspace between doors and windows, rolling blinds and shutters.

**TWIN WS DT** product code: **TWIN WS DT B** (white colour) and **TWIN WS DT M** (brown colour)

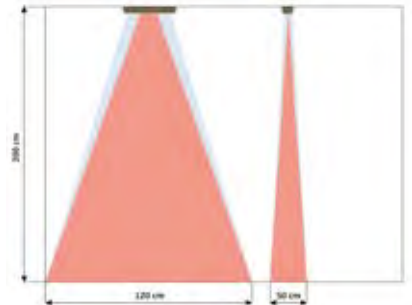
**TWIN DT** product code: **TWIN DT B** (white colour) and **TWIN DT M** (brown colour)

Please refer to the price list to find all complete product codes and costs.

## TWIN WS DT

### TECHNICAL FEATURES

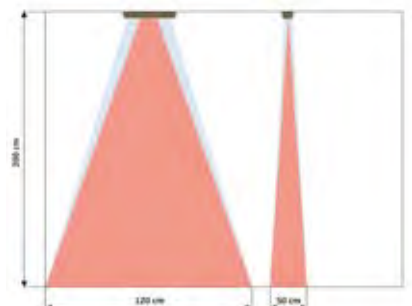
Maximum range 4 m
Compatible with any radio transmitter
Double PIR and 24 GHz microwave (K band)
Power supply: 1 Lithium Battery 3.6 V
Double anti-masking
Dimensions: 280 x 40 x 26 mm
Horizontal detection angle: 35°
Operating temperature: from -20°C up to +50°C (humidity 85%)
ON/OFF led selector
Temperature automatic compensation
4 detection areas
Tropicalized board
Protection class IP54



## TWIN DT

### TECHNICAL FEATURES

Maximum range 4 m
Double PIR and 24 GHz microwave (K band)
Power supply 11.5 / 15.5 Vcc
Double anti-masking
Dimensions 190 x 30 x 26 mm
Horizontal detection angle 35°
Operating temperature from -20°C up to +50°C (humidity 85%)
Number of pulses 1 or 2 pulses in 2,5 s
ON/OFF led selector
Temperature automatic compensation
4 detection areas
Tropicalized board
Protection class IP54



# SMART and RELLOS

## CURTAIN SENSORS - IP54

Available in white and brown colours

**SMART** is a double technology sensor for doors and windows. Particularly weather-resistant, it has reduced sizes, which makes it suitable for the protection of small spaces including the interspace between doors and windows, rolling blinds and shutters. **SMART** creates an ultra-reduced curtain barrier of approximately 7.5 degrees and it has an adjustable range of up to 12 meters. It is available in white and brown colours.

**RELLOS** is a curtain sensor for doors and windows. The reduced sizes and the ability to self-compensate any sudden change of temperature automatically makes it suitable also in critical circumstances. **RELLOS** creates a curtain barrier of approximately 7 degrees, and has a maximum range of 8 meters. It is available in white and brown colours.

**SMART** product code: **SMART B** (white colour) and **SMART M** (brown colour)

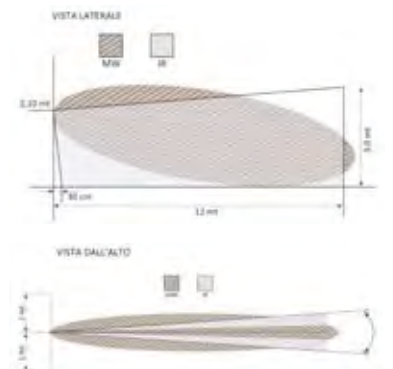
**RELLOS** product code: **RELLOS B** (white colour) **RELLOS M** (brown colour)

Please refer to the price list to find all complete product codes and costs.

## SMART

### TECHNICAL FEATURES

Maximum range 12 m
Power supply 10-16 Vcc
Immune to white light
Vertical detection angle 80°, horizontal angle 7,5°
Anti-collision
Anti-masking
24 GHz microwave (K band)
Immunity up to 2 Ghz
Tropicalized board
Dimensions 115 x 40 x 45 mm
Mounting bracket included
Protection class IP54



## RELLOS

### TECHNICAL FEATURES

Maximum range 8 m
Power supply 11.5 - 15.5 Vcc
Detection angle 60° vertical, 7° horizontal
Immunity up to 2 Ghz
Immune to white light
Tropicalized board
Dimensions 95x28x35 mm
Protection class IP54









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PARMA



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