Active infrared
perimeter barriers

The recently updated range of Prastel active infra-red perimeter barriers offers many solutions:

WALL-FLUSH INTERNAL OR EXTERNAL PROTECTION

For short range perimeter protection (doors, windows, balconies) Prastel has introduced the innovatory FSLIMPRO series.

FSLIMPRO is an IR barrier that thanks to its versatility of use can be easily adapted to any installation: the aluminium and polycarbonate profile can be cut to fit windows, the position of the beams can be adjusted and additional beams can be added without the need to lay extra cables etc.

The FSLIMRF radio version maintains the same versatility of use as the FSLIMPRO plus the possibility of using battery power and sending via radio alarm, flat battery, tampering, supervision, alarm end signals by using the FSLIMTX module.
By using the FSLIMOUT output relay module, the FSLIMRF barrier can be implemented with any existing alarm system via radio.

EXTERNAL PROTECTION

IOR5MS is a simple and economic IR barrier that includes in a single product all the previous versions IOR2, IOR4M and IOR4S. The 2PH and 4PH lines, made in collaboration with Interstellar, offers products of an extremely high level (optics in crystal, micrometric adjustment etc) for professional protection where a long range is required. BIRAY200S with 4PH type characteristics has optical lenses separated from the electronic management.
All models can be installed independently or inside an INFRA column.
KINFRA500 offers, at an exceptional price, a ready to use kit in a 50cms column with double beam for external installations of up to 40m.
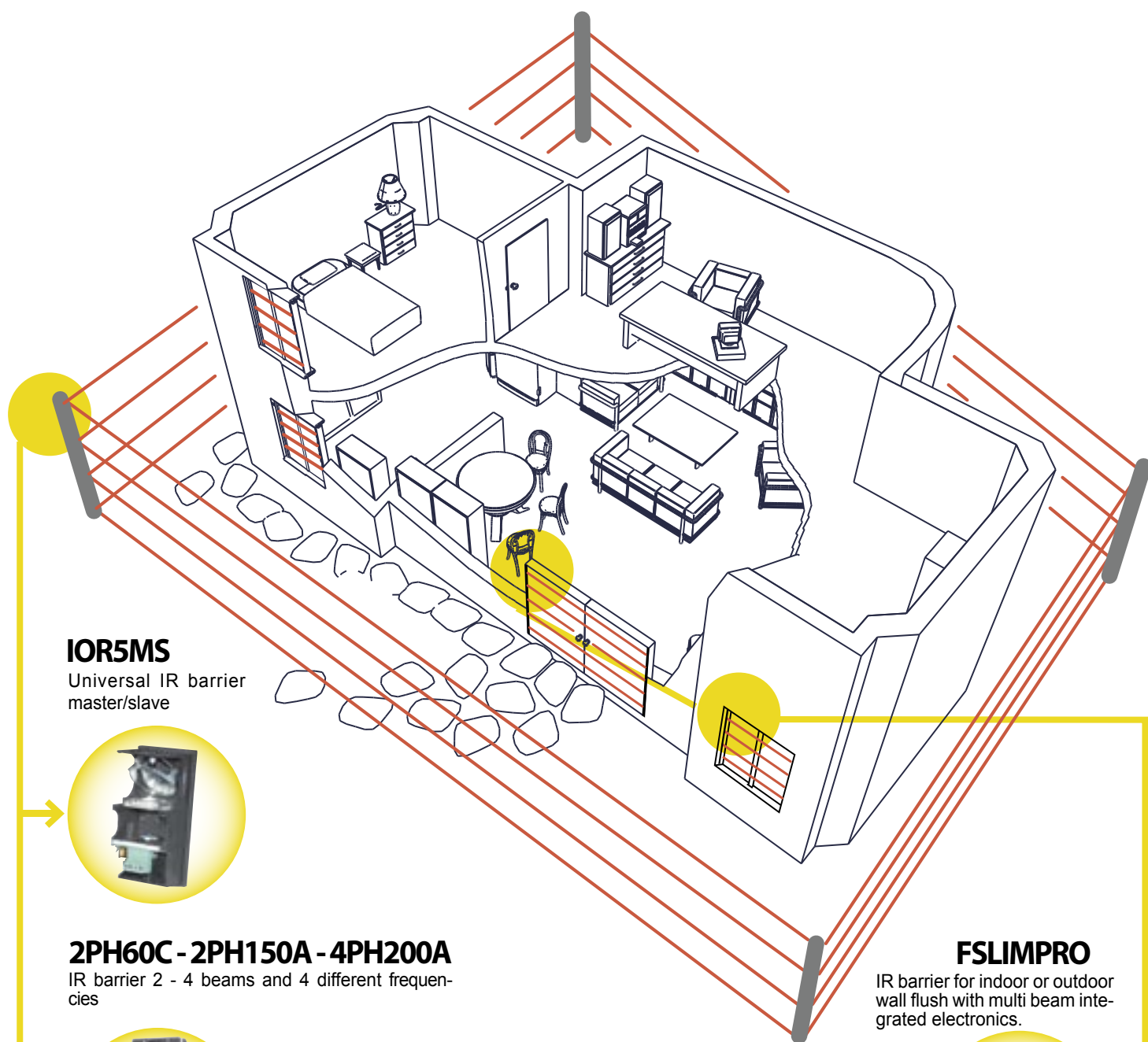
SAFETY INSIDE AND OUTSIDE THE HOME

Active infrared perimeter barriers

IOR5MS

Universal IR barrier master/slave

2PH60C - 2PH150A - 4PH200A

IR barrier 2 - 4 beams and 4 different frequencies

BIRAY200S

IR barrier with 2 double beams and 4 different frequencies

KINFRA500

IR barrier complete with 2 IOR5MS beams pre-cabled in a 50 cm INFRA column

FSLIMPRO

IR barrier for indoor or outdoor wall flush with multi beam integrated electronics.

FSLIMRF

IR barrier for indoor or outdoor wall flush, via radio, battery or line powered, multi beam integrated electronics.
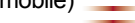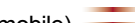
NEW

PRASTEL

Active infra-red
perimeter barriers

SUMMARY TABLE OF MODELS

CODE	N° BEAMS	NOMINAL RANGE*	MINIMUM EXTERNAL RANGE	MULTIPLE USES	THE
IOR5MS	1	150 m with linear synchronism	40 m with linear synchronism	Max 5 pairs	With or with
2PH60C	1 (Double IR)	120 m with 4 frequency synchronism	60 m with 4 frequency synchronism	Max 4 pairs changing frequency	With
2PH150A	1 (Double IR)	300 m with 4 frequency synchronism	150 m with 4 frequency synchronism	Max 4 pairs changing frequency	With
4PH200A	2 (Double IR)	500 m with 4 frequency synchronism	250 m with 4 frequency synchronism	Max 4 pairs changing frequency	With
BIRAY200S	2 (Double IR)	500 m with 4 frequency synchronism	200 m with 4 frequency synchronism	Max 4 pairs changing frequency	
KINFRA500	2 (individual)	150 m	40 m	Kit 2 beams with TX e RX inverted	
FSLIMPRO	from 2 to 8 (mobile)	12 m	10 m wall mounted	Max 8 beams optical synchronism	
FSLIMRF	from 2 to 8 (mobile)	7 m	5 m wall mounted	Max 8 beams optical synchronism	

(*) the nominal range of the product is based on project data and can be obtained internally
(#) the gain control increases the power of the beam emission automatically to compensate

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Active infra-red
perimeter barriers

ANTIINTRUSION

...ERMOSTATTING	DISQUALIFICATION DEVICE	ACCESSORIES FOR MOUNTING ON INFRA COLUMN	ALIGNMENT	OTHER ACCESSORIES
...RESIOR DISIORRES	With DISIORE or with DISIORRES	STIOR	Adjustable mirror	Tamper (INTIOR) e and Waterproofing kit (KITIOR)
TERMPH60	Gain control (#)	STIOR	Optical viewfinder and micrometric adjustments	-
TERMPH150	Gain control (#)	-	Optical viewfinder and micrometric adjustments	-
TERMPH200	Included	-	Optical viewfinder and micrometric adjustments	-
Included	Included	STBIRAY	Optical viewfinder and micrometric adjustments	-
Included	Included	Colonna 0.5 m inclusa	Adjustable mirror	-
-	-	Column included	Self-aligning + Led	Additional beams (FSLIMPLUS)
-	-	Column included	Self-aligning + Buzzer	Additional beams (FSLIMPLUS) batteries (BATSLIM) output modules (FSLIMOUT and FSLIMTX)

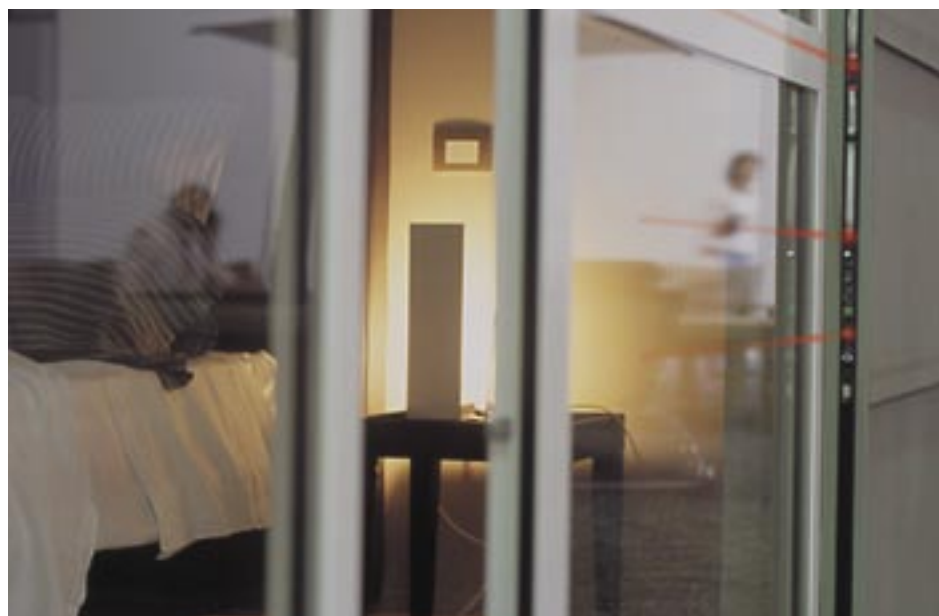...for atmospheric agents (i.e. fog)

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FSLIMRF

FSLIMRF is an active infra-red barrier for the protection of balconies, doors, and windows with battery power and alarm transmission via radio that allows a completely wireless installation.

The barrier is made up of two aluminium profiles that enclose the infra-red transmitter and receiver, and two dark polycarbonate covers.

The basic unit consists of a master card and a slave card, that make a two-beam barrier to which additional FSLIMPLUS expansion beams can be added up to a maximum of 8. The additional beams can be freely positioned inside the profile, therefore the protection can be adapted to suit the requirements of each particular installation.

The availability of profiles in different measures (from 0.5m to 3m) means that the protection can be adapted to suit specific needs. The type of the profile and the special shape of the caps ensure a sealed fixing and allow it to be mounted wall-flush externally
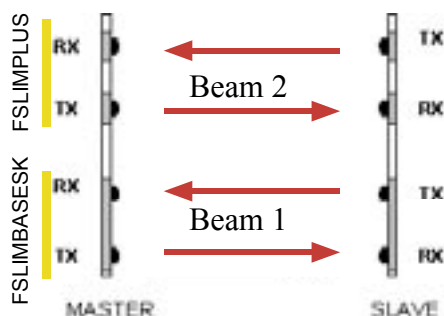
NEW

Radio transmission of the alarms

- ▶ **Range 7m internal and 5m wall flush**
- ▶ **Battery powered, 2 years battery life (10 radio transmissions for day with 4 beams)**
- ▶ **Possibility of connecting an additional battery kit**
- ▶ **Possibility of connecting a 12VDC linear power supply**
- ▶ **Profile can easily be cut to fit the height of the space**
- ▶ **Possibility of expanding up to 8 pairs of synchronised beams**
- ▶ **Beams with flat cables and coupling connection (connector)**
- ▶ **Adjustment of reply time and intervention logic using a dip-switch**
- ▶ **Anodised aluminium profile and polycarbonate cover**
- ▶ **Upper cap in rubber and lower cap in ABS with a ventilating hole, protected to prevent condensation and misting inside the columns and the intrusion of insects**
- ▶ **Wall fixing with screws and O Rings (supplied)**
- ▶ **Anti-opening and anti-tear tamper (can be excluded with a jumper)**
- ▶ **Easy installation and alignment of the barriers with a buzzer.**
- ▶ **With FSLIMTX module: 433.920 MHz radio transmission signalling: alarms, flat battery, tamper, supervision, alarm end**
- ▶ **With FSLIMOUT module: 2 relay outputs for alarms and flat battery signals for implementation on any existing alarm via radio**

PRASTEL

Wireless Active infra-red
perimeter barriers

FSLIMPLUS

FSLIMBASESK

Beam 2

Beam 1

MASTER   SLAVE

The FSLIMRF05 infrared barrier is made up of a MASTER card and a SLAVE card with 2 beams (1 loop) on board. All the other barriers FSLIMRF1015-20-25, consist of a MASTER card and a SLAVE card with 2 beams on board and two additional beams (n° 1 FSLIMPLUS) consisting of a pair of transmitter and receiver probes.
Each loop is made up of an infra-red outward beam and a return beam; the MASTER transmits the signal to the SLAVE that re-transmits it, amplified, to the MASTER.
The barrier can manage up to 8 beams (4 loops in total) and an expansion kit for two beams can be purchased to expand it.

FSLIMRF05
L. 0,5 m - 2 beams

FSLIMRF10
L. 1 m - 4 beams

FSLIMRF15
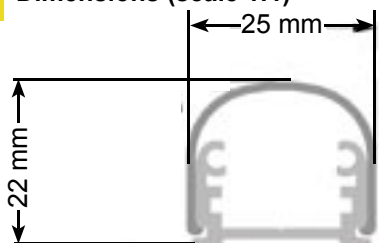**L. 1.5 m - 4 beams**

FSLIMRF20
L. 2 m - 4 beams

FSLIMRF25
L. 2.5 m - 4 beams

L. 3 m version available on request

Dimensions (scale 1:1)

25 mm

22 mm

TECHNICAL SPECIFICATIONS

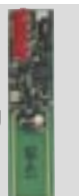|	
Power supply:	3.6V with 2 Lithium Thionyl Chloride batteries AA size 2.7Ah; alternatively 12VDC power supply or additional 3.6V battery to connect to the special connection.
Absorption:	280 µA with 4 beams in standby; 550µA with 8 beams in standby; 10mA during radio transmission with FSLIMTX module
	20 mA during alarm activation with FSLIMOUT module
Battery Life:	2 years, with 10 radio transmissions each day with 4 beams
Intervention time:	300 ms or 900 ms, selectable with a dip-switch
Alarm frequency:	min. 10 s
Wave length:	IR 950 nm
Intervention logic:	interruption of 1 or 2 beams, selectable with a dip switch
Output:	with FSLIMTX, radio transmission at 433 MHz. 5 channels
Alarm types:	with FSLIMOUT 2 relays (N.O. /N.C.) for alarms and flat battery beam interruption, beam restore, flat battery, supervision (can be excluded with jumper) tamper
Supervision interval	60 minutes
Operating temperature	-20° to +55° C
Radio transmission range:	150m in open environment, 50 m inside
Settings:	selection of time and intervention logic, beam enabling
Signals:	buzzer for aligning (active during aligning)
	Radio transmission LED (excludible using jumper)
Protection rating:	IP 55
Weight:	from 700 g to 2600 g depending on length of the barrier

Accessories FSLIMRF:
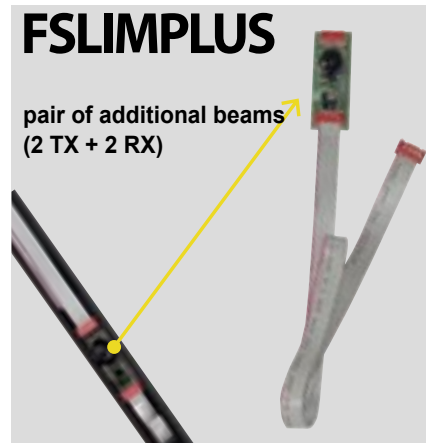
FSLIMOUT
Relay contact output module

FSLIMTX
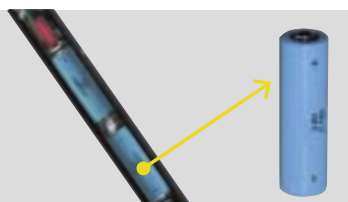**5 channel 433.920 MHz rolling code transmitter module**

FSLIMPLUS
pair of additional beams (2 TX + 2 RX)

BATSLIM
Lithium Thionyl Chloride 3.6 V - 2.7 Ah battery (pack of 20 batteries)

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Active infra-red
perimeter barriers

FSLIMRFRX

**433,920 MHz
ROLLING CODE**

Programming keys

3 digit display

*Remote control
ON/OFF*

RADIO RECEIVER FOR FSLIMRF RADIO

Fitted with four output relays, an event memory of the last 10 alarms (with barrier address and alarm type signals) manages up to 500 radio barriers.
The programming of the barriers and operating parameters is made using the 4 buttons and a 3 number display

Each barrier sends a 5 channel code to the receiver: intrusion, flat battery, tampering, supervision (periodical presence signal) and alarm end.
The receiver activates the relay corresponding to the type of alarm and signals the address of the barrier and the type of alarm tripped on the display.

▶ **programming for self-learning of the barriers via radio**
▶ **cancellation of a single barrier from the memory**
▶ **temporary disabling of a single barrier**
▶ **alarm relay settable in bistable mode (with alarm end) or time delayed**
▶ **setting of operating mode (N.O. /N.C.) and activation time for all the relays**
▶ **memory of 10 events received (alarm, battery, tamper and missing supervision)**
▶ **activation/deactivation of supervision control on the system**
▶ **programming in memory of up to 30 remote controls for the remote activation and deactivation of the system.**
▶ **power supply 230 VAC + backup battery**

The circuits and components of the FSLIMRFRX control unit are housed in a container with an ABS box for internal use and for fixing to a DIN bar.

TECHNICAL SPECIFICATIONS

Alimentazione:	12 Vac/dc
Power supply:	12 VAC/DC
Receiver:	superetherodine 433.920 MHz
Memory capacity:	500 barriers - 30 remote controls on/off system
Output relay:	4, linked respectively to the alarm, flat battery, tamper, lack of supervision, events
Relay contacts capacity:	1 A
Relay mode:	time delayed from 1s to180s. The alarm relay can be bistable controlled by the barrier through the alarm and alarm end commands. The relays can be set individually for operation N.O. /N.C.
Programming:	4 buttons and display e display
Protection rating:	IP 44
Dimensions and weight:	70 x 90 x 60 mm - 260 g

A transceiver is available to increase the range in closed spaces to 70/80m A cod. FSLIMRTX.

PRASTEL

FSLIMPRO

Patented

FSLIMPRO05
L. 0,5 m - 2 beams

FSLIMPRO10
L. 1 m - 4 beams

FSLIMPRO15
L. 1,5 m - 4 beams

FSLIMPRO20
L. 2 m - 4 beams

FSLIMPRO25
L. 2,5 m - 4 beams

3 m. version available on request

The FSLIMPRO active infra-red barrier has been designed and built to guarantee a fast and easy installation. The electronics incorporated in the profile with optic synchronism, reduce the amount of connection cable laying to the minimum: power supply and alarm contact.
The availability of profiles in different measures (from 0.5m to 3m) means that the protection can be adapted to suit specific needs. The type of the profile and the special shape of the caps ensure a sealed fixing for external use.
The beams can be positioned at the desired height inside the FSLIMPRO to personalise the protection level.

▶ **Range 12 m internal, 10 m on the wall edge**
▶ **Profile in anodised aluminium with polycarbonate cover**
▶ **Profile can easily be cut to measure to adapt it to suit the height of the space**
▶ **Integrated electronics**
▶ **Multiplex and synchronised system**
▶ **Possibility of expanding up to 8 pairs of synchronised beams (with additional FSLIMPLUS beams)**
▶ **Anti-opening, tear-proof tampers excludible with a jumper**
▶ **Cable clamps, screws and O-Rings supplied**
▶ **1 output exchange relay N.O. /N.C.**
▶ **Easy to install and align beams thanks to four levels of power in the infra-red transmission**
▶ **LED signals beam status (excludible with jumper)**
▶ **Operating mode selectable with Dip-Switch**

TECHNICAL SPECIFICATIONS

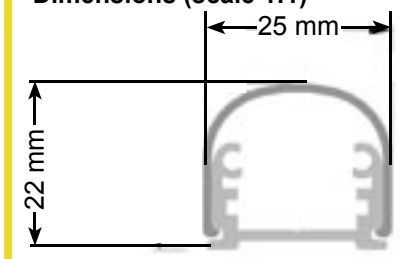| |
|---|
| Power supply: 12 VDC |
| Absorption: Max 50mA with 8 beams |
| Wavelength I.R.: 950 nm |
| Range: 12 m in internal 10 m wall-flush |
| Output contact: 1 N.O. /N.C. |
| Relay Intervention time: from 100 ms to 1 s settable |
| Restore time: 0.5 s |
| Protection rating: IP 55 |
| Operating temperature: from -20° to +55° C |
| Weight: from 700 g to 2500 g depending on the barrier |

Accessories FSLIMPRO:

FSLIMPLUS

**Additional pair of beams
2 TX + 2 RX**

Dimensions (scale 1:1)

25 mm

22 mm

PRASTEL

Active infra-red perimeter barriers

IOR5MS

IOR5MS is an active infrared barrier, synchronised or not synchronised, suitable for internal or external, single or multiple beam perimeter protections

Three previous models have been incorporated in a single product: the version for a non synchronised single beam (IOR2), the synchronised master barrier (IOR4M) and the synchronised Slave barrier (IOR4S).

In the multiple installations, thanks to the Master and Slave functioning, up to 5 pairs of IOR5MS can be connected in the same column (10 pairs with TX and RX inverted).

▶ **Nominal range internal 150 m, external 40 m**
▶ **Master-Slave operating mode selectable with a dip switch**
▶ **synchronised or non synchronised operation selectable with jumper**
▶ **line synchronism**
▶ **beam adjustment with mirror from 0° to 180°**
▶ **extractable terminal boards**
▶ **use in INFRA column or stand alone**

Transmitter

Receiver

TECHNICAL SPECIFICATIONS

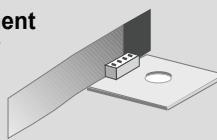|	
Power supply:	12-24 VAC/DC
Absorption:	60 mA
Wavelength I.R.:	950 nm
Relay Intervention time:	from 30 to 300 ms
Alarm duration:	4 s
Output relay:	1 N.C. - Range 1 A - 24 VDC
Adjustment angle:	horizontal 0 - 180° - vertical ± 10°
Cable diameter Power supply:	2 x 0.75 mm2 for 5 m - 2 x 2.5 mm2 for 150 m
Signal Cable diameter:	2 x 0.22 mm2 for 150 m of cable
Protection rating:	IP 55
Operating temperature:	from -20° to +55° C
Dimensions and weight:	127 x 60 x 55 - 410 g

Accessories IOR5MS for standalone use

INTIOR
Tamper switch
per IOR5MS

RESIOR
Anti-misting element
for Transmitter or
Receiver (1 pcs.)
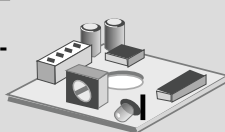
KITIOR
Kit for waterproofing
a pair of IOR5MS

Accessories IOR5MS for INFRA column:

STIOR
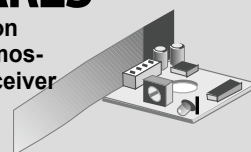Bracket kit for the installation
of a pair of IOR5MS

DISIORE
Disqualification
device for Exclu-
sion Receiver
IOR5MS

DISIORRES
Disqualification
device + thermos-
tatting for Receiver
IOR5MS

PRASTEL

Linea PH

The PH line is a series of active infra-red barriers that is ideal for protecting large internal or external perimeter areas.

It is made up of a barrier with max external range of 60m and 1 double beam IR; by a barrier with max external range of 150m and 1 double beam IR; and by a barrier with max external range of 200m and 2 double beams.

They can operate on 4 different frequencies selectable with dip switches, fitted with high quality aspheric lenses and a box with gaskets that make it suitable for external installations on a pole (brackets supplied).

2PH60C

▶ **Nominal range internal120 m, external 60 m**

▶ **1 double beam I.R.**

▶ **transmissions selectable on 4 different frequencies**

▶ **no synchronism connection**

▶ **automatic gain control (AGC)**

▶ **high precision aspheric lenses**

▶ **view finder for optical alignment with micrometric adjustment**

▶ **beam adjustment from 0° to 180°**

▶ **beam interruption time adjustment**

▶ **standalone or INFRA column use**

TECHNICAL SPECIFICATIONS

Power supply:	10.5-28 VDC
Absorption:	45 mA
Relay Intervention time:	from 50 to 700 ms
Detection mode:	interruption of both beams
Output relay:	1 alarm N.O. /N.C. - Range 0.2 A -30 VDC
	1 tamper N.O. /N.C. - Range 0.2 A -30 VDC
Adjustment angle:	horizontal 0 - 180° - vertical ± 10°
Power cable diameter:	2 x 0.75 mm2 for 5 m - 2 x 2.5 mm2 for 150 m
Signal Cable diameter:	2 x 0.22 mm2 for 150 m of cable
Protection rating:	IP 55
Operating temperature:	from -20° to +55° C
Dimensions and weight:	75 x 180 x 75 - 1100 g

Accessories 2PH60C standalone use

STIOR
Bracket kit for the installation of a pair of 2PH60C on an INFRA column

TERMPH60
Thermostatting Kit 2PH60C (mounting outside INFRA column)

PRASTEL

Active infra-red perimeter barriers

2PH150A

▶ Nominal range internal300 m, external 150 m
▶ 1 double-beam I.R.
▶ transmissions selectable on 4 different frequencies
▶ no synchronism connection
▶ automatic gain control (AGC)
▶ high precision aspheric lenses
▶ view finder for optical alignment with micrometric adjustment
▶ beam adjustment from 0° to 180°
▶ beam interruption time adjustment
▶ standalone or INFRA column use

TECHNICAL SPECIFICATIONS

Power supply:	10.5-28 VDC
Absorption:	55 mA
Relay Intervention time:	from 50 to 700 ms
Detection mode:	Interruption of both beams
Output relay:	1 alarm N.O. /N.C. - Range 0.2 A -30 VDC
	1 tamper N.O. /N.C. - Range 0.2 A -30 VDC
Adjustment angle:	horizontal 0 - 180° - vertical ± 10°
Power cable diametery:	2 x 0.75 mm2 for 5 m - 2 x 2.5 mm2 for 150 m
Signal cable diameter:	2 x 0.22 mm2 for 150 m of cable
Protection rating:	IP 55
Operating temperature:	from -20° to +55° C
Dimensions and weight:	100 x 247 x 100 mm - 1800 g

4PH200A

▶ Nominal range internal 500 m, external 250 m
▶ 2 double beams I.R.
▶ transmissions selectable on 4 different frequencies
▶ no synchronism wire
▶ disqualification device output
▶ double view finder for optical alignment with micrometric adjustment
▶ beam adjustment from 0° to 180°
▶ beam interruption time adjustment
▶ standalone or INFRA column use

TECHNICAL SPECIFICATIONS

Power supply:	10.5-28 VDC
Absorption:	77 mA
Relay Intervention time:	from 50 to 700 ms
Detection mode:	Interruption of the 4 beams
Output relay:	1 alarm N.O. /N.C. - Range 0.2 A -30 VDC
	1 disqualification device N.O. /N.C. - Range 0.2 A -30 VDC
	1 tamper N.O. /N.C. - Range 0.2 A -30 VDC
Adjustment angle:	horizontal 0 - 180° - vertical ± 10°
Power cable diameter:	2 x 0.75 mm2 for 5 m - 2 x 2.5 mm2 for 150 m
Signal cable diameter:	2 x 0.22 mm2 for 150 m of cable
Protection rating:	IP 55
Operating temperature:	from -20° to +55° C
Dimensions and weight:	100 x 390 x 100 mm - 3700 g

Accessories 2PH150A and 4PH200A for standalone use:

TERMPH150
2PH150A (mounting outside INFRA column)

TERMPH200
2PH200A (mounting outside INFRA column)

PRASTEL

Active infra-red perimeter barriers

BIRAY200S

BIRAY200S is a barrier with two double beams that is ideal for protecting large internal or external perimeter areas.

It is fitted with an operating frequency selection system that allows the installation of more than one barrier on the same site without them interfering with each other. It is characterised by a lens thermostatting circuit, disqualification device, aligning system with visor, warning light and signal measuring points.

▶ **Nominal range internal 500 m, external 200 m**

▶ **transmissions selectable on 4 different frequencies**

▶ **no synchronism connection**

▶ **view finder for optical alignment with micrometric adjustment**

▶ **integrated disqualification device and thermostatting**

▶ **codified and modulated infrared signal system**

▶ **extractable terminal boards**

▶ **possibility o inserting elements for balanced lines**

▶ **INFRA column use**

TECHNICAL SPECIFICATIONS

Power supply:	12 VAC/DC
Thermostatting power supply:	12-24 VAC/DC
Nominal Absorption:	75 mA
Absorption with thermostatting:	340 mA
Detection mode:	Interruption of the 4 beams
Relay Intervention time:	from 50 to 700 ms
Disqualification device reply time:	1 minute
Alarm duration:	4 s
Output relay:	1 alarm - Range 30 VDC - 500 mA
	1 tamper - Range 30 VDC - 50 mA
Power cable diameter:	2 x 0.75 mm2 for 5 m - 2 x 2.5 mm2 for 150 m
Signal cable diameter:	2 x 0.22 mm2 for 150 m of cable
Protection rating:	IP 33 - IP 65 in INFRA column
Operating temperature:	from -20° to +55° C
Dimensions and weight:	70 x 360 x 600 - 1200 g

BIRAY200S accessories:

STBIRAY
Bracket kit for the installation of a pair of BIRAY200S in INFRA column

PRASTEL

Perimeter barriers
INFRA column

INFRA

The INFRA column for infra-red perimeter barriers is made up of INFRA profiles in black anodised aluminium with polycarbonate cover and is available in lengths from 1m to 4m. With the appropriate accessories it can be wall mounted, floor mounted or mounted on an underground mounting base. Inside the INFRA column the following can be fixed:

- beams IOR5MS and 2PH60C beams with STIOR adaptor
- beams BIRAY200S beams with STBIRAY adaptor
- beams 2PH150A and 4PH200A beams without adaptor

(A) Suggested configuration for 1 column with wall mounting:

▶ INFRA column
▶ TAINFRA upper cap for column
▶ TINFRAB lower cap for column
▶ Supports for wall mounting SUPINFRA: 2 pieces every 2 m of column
▶ 1 power pack ALCO for column (Absorption max. 1 A)
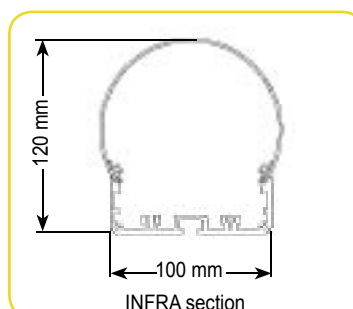▶ thermostatting unit TERMCOL2: 1 piece every 1.5 m of column

(B) Suggested configuration for 1 column with direct floor mounting:

▶ 1 INFRA column
▶ 1 TAINFRA upper cap for column
▶ 1 FLINFRA flange for column: FLINFRA45 for columns max height 2 m
   FLINFRA165 for columns over 2 m
▶ 1 power pack ALCO for column
▶ thermostatting unit TERMCOL2: 1 piece every 1.5 m of column

(C) FLINFRA165 for columns over 2 m

▶ 1 INFRA column
▶ 1 TAINFRA upper cap for column
▶ 1 FLINFRA flange for column: FLINFRA45 for columns max height 2 m
   FLINFRA165 for columns over 2 m
▶ 1 BASEINFRA for column
▶ 1 power pack ALCO for column
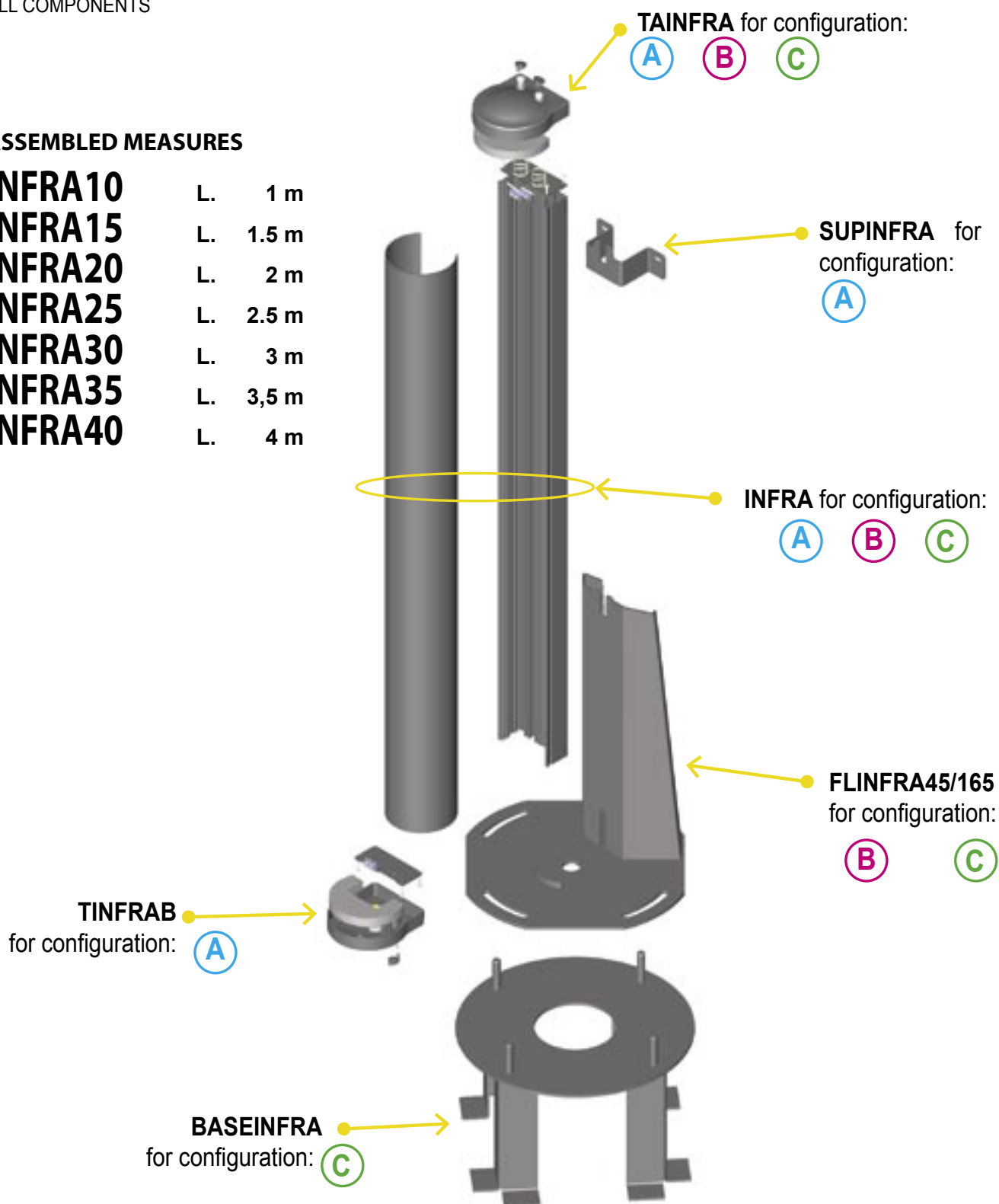▶ thermostatting unitTERMCOL2: 1 piece every 1.5 m of column

120 mm
100 mm
INFRA section

PRASTEL

Perimeter barriers
INFRA column

COMPLETE EXPLODED DESIGN OF
ALL COMPONENTS

TAINFRA for configuration:
(A) (B) (C)

ASSEMBLED MEASURES

INFRA10	L.	1 m
INFRA15	L.	1.5 m
INFRA20	L.	2 m
INFRA25	L.	2.5 m
INFRA30	L.	3 m
INFRA35	L.	3,5 m
INFRA40	L.	4 m

SUPINFRA for configuration:
(A)

INFRA for configuration:
(A) (B) (C)

FLINFRA45/165 for configuration:
(B) (C)

TINFRAB for configuration: (A)
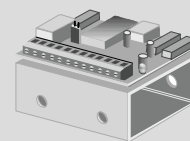
BASEINFRA for configuration: (C)

Accessories for INFRA column on page 38

PRASTEL

PBINFRA

Transparent polycarbonate
h.30cm + integrating ring-nut
TVCC or illumination

MUXIOR (A) (B) (C)

Multiplexer
for IOR5MS: 8
inputs, 1 output

TAINFRA (A) (B) (C)

Upper cap in ABS with tamper
footwear-resistant device

SUPINFRA (A)

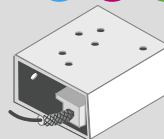Support for column wall mounting:
2 pcs. every 2 m

FLINFRA45 (B) (C)

Flange for column with max height
2 m for:
• direct floor mounting
• mounting on BASEINFRA

BASEINFRA (C)

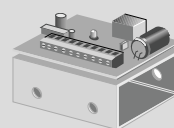Base with inserts for cementing for
underground INFRA fixing

TERMCOL2 (A) (B) (C)

Thermostatting for
INFRA column: 1
pcs. Every 1.5 m

ALCO (A) (B) (C)

Power pack for
INFRA 24 V output
thermostatting, 12 V
beams and backup
battery

TINFRAB (A)

Lower cap in ABS for INFRA with
tamper, condensation drainage hole
cable clamp

FLINFRA165 (B) (C)

Flange for column with height of
more than 2 m for:
• direct floor mounting
• mounting on BASEINFRA

PRASTEL

Perimeter barriers

KINFRA500

The KINFRA500 kit is a simplified double beam barrier cabled and a pre-assembled KINFRA500 in an INFRA05 column (0.5m) for a fast and easy installation. These barriers are ideal for internal and external perimeter areas (anti-intrusion). Based on the type of connection of the normally closed relay contacts the alarm can be activated at the terminal board with the activation of just one beam or both.

Kit consisting of:

▶ Nominal Range internal 150 m, external 40 m

▶ 1 main barrier synchronised to infrareds IOR5MS (TX-RX)

▶ 1 secondary barrier synchronised to infrareds IOR5MS (TX-RX)

▶ 1 INFRA05 column with upper and lower cap

▶ 4 tamper-resistant tamper

▶ 4 supports for wall fixing cod. SUPINFRA

▶ 4 anti-condensation elements

TECHNICAL SPECIFICATIONS

Power supply:	12-24 VAC/DC
Absorption:	120 mA
Wavelength I.R.:	950 nm
Relay Intervention time:	from 30 to 300 ms
Alarm duration:	4 s
Output relay:	2 N.C. - Range 1 A - 24 VDC
Adjustment angle:	horizontal 0 - 180° - vertical ± 10°
Power cable diameter:	2 x 0.75 mm2 for 5 m - 2 x 2.5 mm2 for 150 m
Signal cable diameter:	2 x 0.22 mm2 for 150 m of cable
Protection rating:	IP 55
Operating temperature:	from -20° to +55° C
Dimensions and weight:	100 x 500 x 100 - 4000 g

PRASTEL