TECHNICAL DATA SHEET

POLITEC

POLITEC S.r.l.

Politec Srl has the technology and the expertise to design and manufacture intrusion detection systems, offering the solution for the indoor and outdoor perimeter protection of your property.

Over the years we have developed a notable and innovative research and development resource that enables us to meet the requirements of a challenging and demanding market and to adapt to our customers needs, who are ever more aware of a need of security.

Aware of the need to maintain competitive costs, our products employ cutting edge technology, which gives ever increasing quality and reliability, whilst not neglecting that the products have to be easy to use and install. For example the implementation of our SMA technology that allows a single person to align the beam and the RS 485 serial connection that allows local or remote programming and control via the ADE-BUS LAN control card.

We are focused in offering solutions to our customers to protect their property and lives tangibly making their security, comfort and the quality of daily life better.

WS SMA - HIBRID SMA - SMA SOLAR are defacto new product lines meeting all the market demands even for the most critical installation environments.

The quality of all our products are approved and certified and Politec is certified to ISO 9001: 2008.

CERTIFICATO

Sistema di Gestione
n. 1758

Si attesta che il sistema di gestione qualità di
This is to certify that the quality management system of

POLITEC S.R.L.

Via Adda, 66/68
20882 BELLUSCO (MB) - Italia

È conforme ai requisiti della norma/Fulfils *the standard*

UNI EN ISO 9001:2008

Questo certificato è valido per il seguente campo di applicazione
This certificate is valid for the following products/services

**Progettazione e produzione di apparecchiature
elettroniche per sistemi antintrusione**

Settore EA/EA scope
19

Prima emissione **17/10/2012**
Emissione corrente **17/10/2012**
Certificato valido fino al **16/10/2015**

General Manager

Per informazioni puntuali ed aggiornate in merito ad eventuali variazioni intervenute nello stato della certificazione di cui al presente documento
contattare il n. +39-011-595863 o inviare e-mail a: globe@byglobe.it
If you need further information about changes of this certificate scope please call n. + 39 (0)11 595863 or send e-mail to: globe@byglobe.it
Eventuali esclusioni ammissibili sono riportate nel Manuale del Sistema di Gestione dell'organizzazione.
The acceptable standard items exclusions are detailed on the company management handbook.
La validità del presente certificato è subordinata all'esito positivo delle verifiche di sorveglianza svolte con cadenza annuale.
The validity of this certificate is subject to the satisfactory results of surveillance audits performed at least yearly

GLOBE srl Via Vespucci n. 2 10128 Torino ITALIA - P.IVA 08094230011 - Tel 011/595863 Fax 011/0708255 - 011/5681344 - e-mail globe@byglobe.it Sito: www.byglobe.it

ACTIVE INFRARED BARRIER

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range 100m MAX
- Alignment SMA.
- 4 optics to obtain 2 ÷ 4 crossed dual beams
- Optical synchronization.
- Optical adjustment: V 20°, H 180°
- Adjustable reaction time 50 ÷ 500 mSec
- Protection degree IP 65
- Fog disqualification with dedicated output
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted)
- Outputs : Alarm, Tamper, Fog (low signal)
- Supply 10Vdc ÷ 30Vdc
- Thermostated heaters 15W Max (5W/optical + 5W pcb)
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
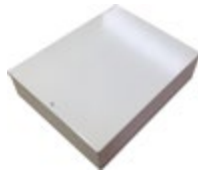- Wall or pole mounting
- Dimensions L 6cm—P 6cm—h. 50cm ÷ 100cm

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORIES

LAR 22 S — Power supplier 12Vcc/24Vac

SAN/SD — Wall bracket

SAN/PL — Pole bracket

TB1 - TB2 — Poles Φ 49mm 1m - 2m

SANDOR TS — Thermostat Kit

CODE	DESCRIPTION	TYPE OF PRODUCT
DUAL SMA 805	Barrier composed with 2TX e 2RX programmable with 2 beams parallel or 4 crossed, H 50 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	PAIR OF COLUMNS
DUAL SMA 810	Barrier composed with 2TX e 2RX programmable with 2 beams parallel or 4 crossed, H 100 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	PAIR OF COLUMNS
SAN/PL	Pole / wall mounting kit	ACCESSORIES
SAN/SD	Wall mounting kit for one barrier (2pcs)	ACCESSORIES
SAN/TB1	Zincated pole H 1 m – Dia 49 mm.	ACCESSORIES
SAN/TB2	Zincated pole H 2 m – Dia 49 mm.	ACCESSORIES
LAR 22S	Power supplier 13,8Vdc 2.5A - 24Vac300VA	ACCESSORIES
SANDOR TS	Kit additional thermostat for Dual (2 pcs)	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

ACTIVE INFRARED BARRIER

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range100m MAX
- Alignment SMA.
- 8 (12) optics to obtain 4 (6) ÷ 16 (36) crossed dual beams
- Optical synchronization.
- Optics adjustment: V 20°, H 180°
- Adjustable reaction time 50 ÷ 500 mSec
- Protection degree IP 65
- Fog disqualification with dedicated output
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted) selectable from remote
- Outputs : Alarm, Tamper, Fog (low signal)
- Supply 10Vdc ÷ 30Vdc
- Thermostated heaters 60W Max (5W/optical + 10W pcb)
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
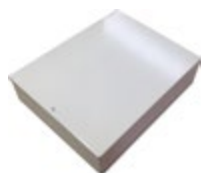- Wall or pole mounting
- Dimensions L 6cm—P 6cm—h. 50cm ÷ 400cm

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORIES

LAR 22 S	**SAN/SD**	**SAN/PL**	**TB1 - TB2**
Power supplier 12Vcc/24Vac	Wall mounting Bracket	Pole mounting Bracket	Poles Φ 49mm 1m - 2m

CODE	DESCRIPTION	TYPE OF PRODUCT
QUAD SMA 8010	4TX e 4RX programmable with 4 beams parallel or 8 crossed, H 100 cm. Power cons.: beams 150 mA - heaters 50W range max 100 m.	PAIR OF COLUMNS
QUAD SMA 8015	4TX e 4RX programmable with 4 beams parallel or 8 crossed, H 150 cm. Power cons.: beams 150 mA - heaters 50W range max 100 m.	PAIR OF COLUMNS
QUAD SMA 8020	4TX e 4RX programmable with 4 beams parallel or 8 crossed, H 200 cm. Power cons.: beams 150 mA - heaters 50W range max 100 m.	PAIR OF COLUMNS
QUAD SMA 8025	4TX e 4RX programmable with 4 beams parallel or 8 crossed, H 250 cm. Power cons.: beams 150 mA - heaters 50W range max 100 m.	PAIR OF COLUMNS
ESA SMA 8015	6TX e 6RX programmable with 6 beams parallel or 12 crossed, H 150 cm. Power cons.: beams 210 mA - heaters 85W range max 100 m.	PAIR OF COLUMNS
ESA SMA 8020	6TX e 6RX programmable with 6 beams parallel or 12 crossed, H 200 cm. Power cons.: beams 210 mA - heaters 85W range max 100 m.	PAIR OF COLUMNS
ESA SMA 8025	6TX e 6RX programmable with 6 beams parallel or 12 crossed, H 250 cm. Power cons.: beams 210 mA - heaters 85W range max 100 m.	PAIR OF COLUMNS
ESA SMA 8030	6TX e 6RX programmable with 6 beams parallel or 12 crossed, H 300 cm. Power cons.: beams 210 mA - heaters 85W range max 100 m.	PAIR OF COLUMNS
SAN/PL	Pole / wall mounting kit	ACCESSORIES
SAN/SD	Wall mounting kit for one barrier (2pcs)	ACCESSORIES
SAN/TB1	Zincated pole H 1 m – Dia 49 mm.	ACCESSORIES
SAN/TB2	Zincated pole H 2 m – Dia 49 mm.	ACCESSORIES
LAR 22S	Power supplier 13,8Vdc 2.5A - 24Vac300VA	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

ACTIVE INFRARED IN COLUMN

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range100m MAX
- Optics TX and RX in the same column and managed by unic motherboard
- Alignment SMA.
- Up to 64 crossed dual beams with 4TX and 4RX .
- Synchronization wired or optical.
- Optics adjustment: V 20°, H 180°
- Adjustable reaction time 50 ÷ 500 mSec
- Environmental disqualification selectable on 2 levels
- Anti scanning and Anti interferences functions
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted)
- 3 inputs for remote controls
- Remote controls for AND Beams, Beams EXCLUSION and BYPASS
- Anti-crawling function
- Possibility of Managment /programming/controls/adjustment by ADEBUS EXPLORER
- Outputs: Alarm, Tamper, Anti Masking, Disqualification, RS485.
- Thermostated heating 24Vac 56W Max (5W/optics + 4x30W)
- Pole or wall mounting
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
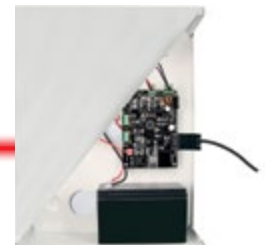- Wall or pole mounting
- Dimensions L 6cm—P 6cm—h. 50cm ÷ 400cm

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools.
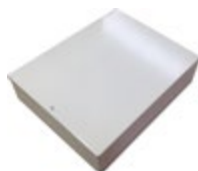This function is activated by pressing a button on each optic.

ACCESSORIES

ADEBUS Up to 32 column connectable. Software ADEBUSEXPLORER included

LAR 22 S

Power supplier
12Vcc/24Vac

SAN/SD

Wall mounting
bracket

SAN/PL

Pole mounting
bracket

TB1 - TB2

Poles Φ 49mm
1m - 2m

POLITEC
Perimeter protection

CODE	DESCRIPTION	TYPE OF PRODUCT
PLUS SMA 9410	Column composed with 4 dual optical 2TX + 2RX H 100 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9415	Column composed with 4 dual optical 2TX + 2RX H 150 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9420	Column composed with 4 dual optical 2TX + 2RX H 200 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9615	Column composed with 6 dual optical 3TX + 3RX H 150 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9620	Column composed with 6 dual optical 3TX + 3RX H 200 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9815	Column composed with 8 dual optical 4TX + 4RX H 150 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9820	Column composed with 8 dual optical 4TX + 4RX H 200 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9825	Column composed with 8 dual optical 4TX + 4RX H 250 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9830	Column composed with 8 dual optical 4TX + 4RX H 300 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9835	Column composed with 8 dual optical 4TX + 4RX H 350 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN
PLUS SMA 9840	Column composed with 8 dual optical 4TX + 4RX H 400 cm. Power cons.: beams 135 mA - heaters 30W range max 100 m.	SINGLE COLUMN

CODE	DESCRIPTION	TYPE OF PRODUCT
PLUS SMA 9210 RX / PLUS SMA 9210 TX	Column with 2 dual optical RX or TX H 100 cm.	SINGLE COLUMN
PLUS SMA 9215 RX / PLUS SMA 9215 TX	Column with 2 dual optical RX or TX H 150 cm.	SINGLE COLUMN
PLUS SMA 9220 RX / PLUS SMA 9220 TX	Column with 2 dual optical RX or TX H 200 cm.	SINGLE COLUMN
PLUS SMA 9315 RX / PLUS SMA 9315 TX	Column with 3 dual optical RX or TX H 150 cm.	SINGLE COLUMN
PLUS SMA 9415 RX / PLUS SMA 9415 TX	Column with 4 dual optical RX or TX H 150 cm.	SINGLE COLUMN
PLUS SMA 9420 RX / PLUS SMA 9420 TX	Column with 4 dual optical RX or TX H 200 cm.	SINGLE PRODUCT
PLUS SMA 9425 RX / PLUS SMA 9425 TX	Column with 4 dual optical RX or TX H 250 cm.	SINGLE COLUMN
PLUS SMA 9430 RX / PLUS SMA 9430 TX	Column with 4 dual optical RX or TX H 300 cm.	SINGLE COLUMN
PLUS SMA 9435 RX / PLUS SMA 9435 TX	Column with 4 dual optical RX or TX H 350 cm.	SINGLE COLUMN
PLUS SMA 9440 RX / PLUS SMA 9440 TX	Column with 4 dual optical RX or TX H 400 cm.	SINGLE COLUMN

CODE	DESCRIPTION	TYPE OF PRODUCT
SAN/PL	Pole / wall mounting kit	ACCESSORIES
SAN/SD	Wall mounting kit for one barrier (2pcs)	ACCESSORIES
SAN/TB1	Zincated pole H 1 m – Dia 49 mm.	ACCESSORIES
SAN/TB2	Zincated pole H 2 m – Dia 49 mm.	ACCESSORIES
LAR 22S	Power supplier 13,8Vdc 2.5A - 24Vac300VA	ACCESSORIES
ADEBUS	Monitoring control panel for digital systems connected with RS485. In metal box with power supplier.	CONTROL PANEL
ADEBUS ESP	Expansion module for ADEBUS with 16 output relay. Max. 6 modules for ADEBUS	ACCESSORIES
ADEBUS S2	Expansion module for ADEBUS to have second serial RS485 line	ACCESSORIES

EVOLUTION & INNOVATION
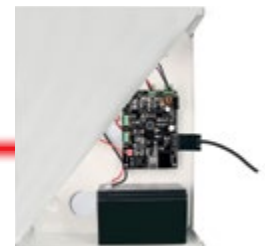
ACTIVE INFRARED IN COLUMN

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range100m MAX
- Optics TX and RX in the same column and managed by a unique motherboard
- Alignment SMA
- Up to a 64 crossed double beams with 4TX and 4RX coupled with another same column.
- Optical or wired synchronization.
- Optical adjustment: V 20°, H 180°
- Adjustable reaction time 50 ÷ 500 mSec
- Fog disqualification (2 levels) with dedicated output.
- Anti-scanning and Anti interferences functions
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted)
- 3 inputs for remote controls
- Remote controls for AND Beams, Beams EXCLUSION and BYPASS
- Anti-crawling function
- Possibility of Management /programming/controls/adjustment by ADEBUS EXPLORER
- Outputs: Alarm, Tamper, Anti Masking, Disqualification, RS485.
- Thermostatically-controlled heating 24Vac 45W Max (5W/optics + 5W)
- Operating temperature -25°÷ +65°
- Anodized aluminium structure
- Dimensions : Tube Φ 8cm, Base Φ 30cm; height: from 1,2 m up to3 m

ACCESSORIES

ADEBUS Managing up to 32 columns with softwere, TCP/IP facility

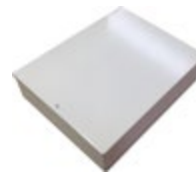| **POB 30**	**LAMP 30**	**LAR 22 S**	**LAR 18**
Cable pit	Globe with lamp support	Power supplier 12Vcc/24Vac	Power supplier into sealed box 12 Vcc/24 Vac

LAR B4

Battery for LAR 18 into sealed box 12 Vcc 4 Ah

POLITEC
Perimeter protection

CODE	DESCRIPTION	TYPE OF PRODUCT
MES SMA 9120	Column composed with 4 dual optical 2TX + 2RX H 120 cm. Power cons. : beams 135 mA - heaters 30W Range max 100 m.	SINGLE COLUMN
MES SMA 9160	Column composed with 6 dual optical 3TX + 3RX H 160 cm. Power cons. : beams 145 mA - heaters 40 W Range max 100 m.	SINGLE COLUMN
MES SMA 9200	Column composed with 8 dual optical 4TX + 4RX H 200 cm. Power cons. : beams 150 mA - heaters 50W Range max 100 m.	SINGLE COLUMN
MES SMA 9250	Column composed with 8 dual optical 4TX + 4RX H 250 cm. Power cons. : beams 150 mA - heaters 50W Range max 100 m.	SINGLE COLUMN
MES SMA 9300	Column composed with 8 dual optical 4TX + 4RX H 300 cm. Power cons. : beams 150 mA - heaters 50W Range max 100 m.	SINGLE COLUMN

CODE	DESCRIPTION	TYPE OF PRODUCT
MES SMA 9120 RX / MES SMA 9120 TX	Column with 2 dual optical RX or TX H 120 cm.	SINGLE COLUMN
MES SMA 9160 RX / MES SMA 9160 TX	Column with 3 dual optical RX or TX H 160 cm.	SINGLE COLUMN
MES SMA 9200 RX / MES SMA 9200 TX	Column with 4 dual optical RX or TX H 200 cm.	SINGLE COLUMN
MES SMA 9250 RX / MES SMA 9250 TX	Column with 4 dual optical RX or TX H 250 cm.	SINGLE COLUMN
MES SMA 9300 RX / MES SMA 9300 TX	Column with 4 dual optical RX or TX H 300 cm.	SINGLE COLUMN
POB 30	Cable pit for Parvis and Mana columns	ACCESSORIES
LAMP 30	Lamp bowl 30cm Diameter	ACCESSORIES
LAR 22S	Power supplier 13,8Vdc 2.5A - 24Vac300VA	ACCESSORIES
LAR 18	Power supplier - 12 Vdc 0,9A - 24 Vca 2,5A.	ACCESSORIES
LAR B 4	Battery 4Ah for LAR 18 in sealed container.	ACCESSORIES
ADEBUS	Monitoring control panel for digital systems connected with RS485. In metal box with power supplier.	CONTROL PANEL
ADEBUS ESP	Expansion module for ADEBUS with 16 output relay. Max. 6 modules for ADEBUS	ACCESSORIES
ADEBUS S2	Expansion module for ADEBUS to have second serial RS485 line	ACCESSORIES

EVOLUTION & INNOVATION

ACTIVE INFRARED COLUMN

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range250m MAX
- Optics TX and RX in the same column and managed by a unique motherboard
- Alignment SMA
- Up to a 64 crossed double beams with 4TX and 4RX coupled with another same column.
- Optical or wired synchronization.
- Optical adjustment: V 20°, H 180°
- Adjustable reaction time 50 ÷ 500 mSec
- Fog disqualification (2 levels) with dedicated output.
- Anti-scanning and Anti interferences functions
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted)
- 3 inputs for remote controls
- Remote controls for AND Beams, Beams EXCLUSION and BYPASS
- Anti-crawling function
- Possibility of Management /programming/controls/adjustment by ADEBUS EXPLORER
- ZONING function (optional on request)
- Outputs: Alarm, Tamper, Anti Masking, Disqualification, RS485.
- 230Vac Power supply unit inside the column.
- Housing for battery 12V/7Ah
- Protection degree IP 65
- Thermostatically-controlled heating 24Vac 115W Max (5W/optics + 3x35 W + 5 W)
- Operating temperature -25°÷ +65°
- Anodized aluminium structure.
- Optional wall mounting kit.
- Dimensions : L25cm—P 22cm—h. 1m ÷ 4m. Base Φ 30cm

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic. RS485 output allows to manage through BUS and ADEBUS control panel the system by remote, keeping the classical relay outputs, with also the possibility of optical synchronization.

ACCESSORIES

ADEBUS   Up to 32 column connectable.
Software ADEBUSEXPLORER included.

POB 30

Cable pit. It semplify the connetion and installation with horizontal and vertical adjustment.

CODE	DESCRIPTION	TYPE OF PRODUCT
MANA IR SMA 10100 2X	Column composed with 4 Dual optical 2TX + 2RX H 100 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 15100 3X	Column composed with 6 Dual optical 3TX + 3RX H 150 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 15100 4X	Column composed with 8 Dual optical 4TX + 4RX H 150 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 20100 3X	Column composed with 6 Dual optical 3TX + 3RX H 200 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 20100 4X	Column composed with 8 Dual optical 4TX + 4RX H 200 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 25100 4X	Column composed with 8 Dual optical 4TX + 4RX H 250 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN

CODE	DESCRIPTION	TYPE OF PRODUCT
MANA IR SMA 30100 4X	Column composed with 8 Dual optical 4TX + 4RX H 300 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 35100 4X	Column composed with 8 Dual optical 4TX + 4RX H 350 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 40100 4X	Column composed with 8 Dual optical 4TX + 4RX H 400 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 40100 8X	Column composed with 16 Dual optical 8TX + 8RX H 400 cm. Supply 230V - -. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 15250 3X	Column composed with 6 Dual optical 3TX + 3RX H 150 cm. Supply 230V - -. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 20250 3X	Column composed with 6 Dual optical 3TX + 3RX H 200 cm. Supply 230V - -. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 20250 4X	Column composed with 8 Dual optical 4TX + 4RX H 200 cm. Supply 230V - -. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 25250 4X	Column composed with 8 Dual optical 4TX + 4RX H 250 cm. Supply 230V - -. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 30250 4X	Column composed with 8 Dual optical 4TX + 4RX H 300 cm. Supply 230V - -. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 40250 4X	Column composed with 8 Dual optical 4TX + 4RX H 400 cm. Supply 230V - -. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 40250 8X	Column composed with 16 Dual optical 8TX + 8RX H 400 cm. Supply 230V - -. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 10100 2R / MANA IR SMA 10100 2T	Column 2 Dual optical RX or TX H 100 cm. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 15100 3R / MANA IR SMA 15100 3T	Column 3 Dual optical RX or TX H 150 cm. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 15100 4R / MANA IR SMA 15100 4T	Column 4 Dual optical RX or TX H 150 cm. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 20100 3R / MANA IR SMA 20100 3T	Column 3 Dual optical RX or TX H 200 cm. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 20100 4R / MANA IR SMA 20100 4T	Column 4 Dual optical RX or TX H 200 cm. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 25100 4R / MANA IR SMA 25100 4T	Column 4 Dual optical RX or TX H 250 cm. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 30100 4R / MANA IR SMA 30100 4T	Column 4 Dual optical RX or TX H 300 cm. Range max 100 m.	SINGLE COLUMN
MANA IR SMA 15250 3R / MANA IR SMA 15250 3T	Column 3 Dual optical RX or TX H 150 cm. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 20250 3R / MANA IR SMA 20250 3T	Column 3 Dual optical RX or TX H 200 cm. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 20250 4R / MANA IR SMA 20250 4T	Column 4 Dual optical RX or TX H 200 cm. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 25250 4R / MANA IR SMA 25250 4T	Column 4 Dual optical RX or TX H 250 cm. Range max 250 m.	SINGLE COLUMN
MANA IR SMA 30250 4R / MANA IR SMA 30250 4T	Column 4 Dual optical RX or TX H 300 cm. Range max 250 m.	SINGLE COLUMN

CODE	DESCRIPTION	TYPE OF PRODUCT
ADEBUS	Monitoring control panel for digital systems connected wit RS485.	CONTROL PANEL
ADEBUS ESP	Expansion module for ADEBUS with 16 output relay.	ACCESSORIES
ADEBUS S2	Expansion module for ADEBUS to have second serial RS485	ACCESSORIES
POB 30	Cable pit for Parvis and Mana columns	ACCESSORIES
MANA AC TOP	Anti climbing cap for MANA columns.	ACCESSORIES
MANA FOR	Base Mana reinforcement for columns exceeding 2 m. DX + SX - Black color.	ACCESSORIES
MANA SD	Wall bracket for MANA column (1 pz).	ACCESSORIES

EVOLUTION & INNOVATION

ACTIVE MICROWAVE BARRIER

CHARACTERISTICS

- Microwave barrier 24GHz in K band
- Settable range from 10m up to 250m MAX
- 4 channels settable.
- Adjustable gain and sensitivity
- Acoustic WALK-TEST
- Integrated multi-functional multi-meter with digit divided in 7 segments
- Operating temperature -25°÷ +65°
- Protection degree IP 65
- 230Vac Power supply unit inside the column
- Housing for battery 12V/7Ah
- Anodized aluminium structure.
- Outputs: Alarm, Tamper
- Dimensions : L25cm—P 22cm—h. 1m ÷ 4m. Base Φ 30cm

ACCESSORIES

POB 30

Cable pit. It semplify the connetion and installation with horizontal and vertical adjustment.

CODE	DESCRIPTION	TYPE OF PRODUCT
MANA MW 10250	Barrier composed with 1 couple of microwaves MW H 100 cm. Supply 230V - allocable battery 12V 7Ah. Range max 250 m.	PAIR OF COLUMNS
MANA MW 15250	Barrier composed with 1 couple of microwaves MW H 150 cm. Supply 230V - allocable battery 12V 7Ah. Range max 250 m.	PAIR OF COLUMNS
MANA MW 20250 2C	Barrier composed with 2 couples of microwaves MW H 200 cm. Supply 230V - allocable battery 12V 7Ah. Range max 250 m.	PAIR OF COLUMNS
POB 30	Cable pit for Parvis and Mana columns	ACCESSORIES
MANA AC TOP	Anti climbing cap for MANA columns.	ACCESSORIES

EVOLUTION & INNOVATION

TRIPLE TECHNOLOGY BARRIER

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range 250m MAX
- Microwave 24GHz in K band - 4 channels settable - Settable range from 10m up to 250m MAX
- DT3: optional Doppler for blind zone protection, settable range from 1m up to 8m
- Infrared with SMA technology alignment
- Optical or wired synchronization.
- Parallel or crossed beams function settable.
- Adjustable reaction time 50 ÷ 500 mSec
- Housing for battery 12V/7Ah
- Protection degree IP 65
- Fog disqualification (2 levels) with dedicated output.
- Anti-scanning and Anti interferences functions
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted)
- Remote controls for AND Beams, Beams EXCLUSION and BYPASS
- Anti-crawling function
- Possibility of Management /programming/controls/adjustment by ADEBUS EXPLORER
- ZONING function (option on request)
- Outputs: MW Alarm, IR alarm, Tamper, Anti Masking, Disqualification, RS485.
- 230Vac Power supply unit inside the column.
- Operating temperature -25°÷ +65°
- Optional wall mounting kit.
- Dimensions : L25cm—P 22cm—h. 1m ÷ 4m. Base Φ 30cm

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic. RS485 output allows to manage through BUS and ADEBUS control panel the system by remote, keeping the classical relay outputs, with also the possibility of optical synchronization.

ACCESSORIES

ADEBUS
Up to 32 column connectable.
Software ADEBUSEXPLORER included

POB 30
Cable pit. It semplify the connetion and installation with horizontal and vertical adjustment.

CODE	DESCRIPTION	TYPE OF PRODUCT
MANA DT SMA 15250 2X	Barrier composed with 1 couple of microwaves + 2TX e 2RX a dual optical beams H 150 cm. Supply 230V - -. Range max 250 m.	PAIR OF COLUMNS
MANA DT SMA 15250 3X	Barrier composed with 1 couple of microwaves + 3TX e 3RX a dual optical beams H 150 cm. Supply 230V - -. Range max 250 m.	PAIR OF COLUMNS
MANA DT SMA 20250 4X	Barrier composed with 1 couple of microwaves + 4TX e 4RX a dual optical beams H 200 cm. Supply 230V - -. Range max 250 m.	PAIR OF COLUMNS
MANA DT SMA 25250 4X	Barrier composed with 1 couple of microwaves + 4TX e 4RX a dual optical beams H 250 cm. Supply 230V - -. Range max 250 m.	PAIR OF COLUMNS
MANA DT SMA 30250 4X	Barrier composed with 1 couple of microwaves + 4TX e 4RX a dual optical beams H 300 cm. Supply 230V - -. Range max 250 m.	PAIR OF COLUMNS

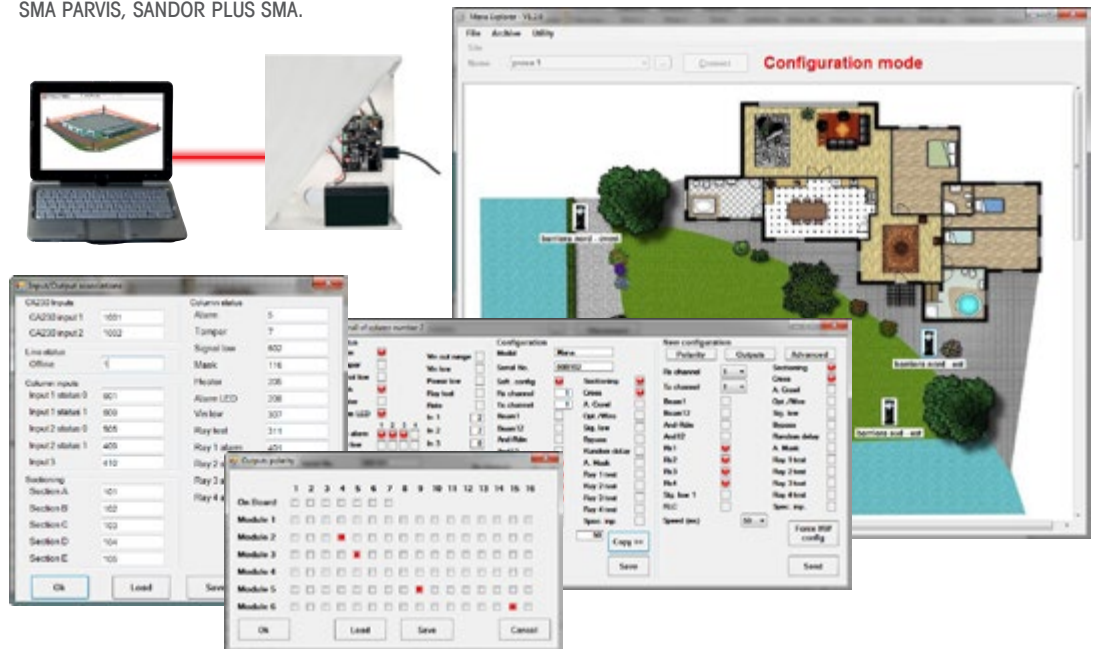| CODE	DESCRIPTION	TYPE OF PRODUCT
ADEBUS	Monitoring control panel for digital systems connected with RS485.	CONTROL PANEL
ADEBUS ESP	Expansion module for ADEBUS with 16 output relay.	ACCESSORIES
ADEBUS S2	Expansion module for ADEBUS to have second serial RS485 line	ACCESSORIES
POB 30	Cable pit for Parvis and Mana columns	ACCESSORIES
MANA AC TOP	Anti climbing cap for MANA columns.	ACCESSORIES
MANA FOR	Base Mana reinforcement for columns exceeding 2 m. DX + SX - Black color.	ACCESSORIES
MANA SD	Wall bracket for MANA column (1 pz).	ACCESSORIES
MANA 3DT	Doppler 24 GhZ microwave sensor with adjustable range 1 ÷10m. To be inserted in MANA DT Column to cover the "dead zone".	ACCESSORIES

EVOLUTION & INNOVATION

MONITORING SYSTEM ADEBUS

CHARACTERISTICS

- Compatible with MANA SMA, PARVIS SMA, SANDOR PLUS SMA
- Up to 32 column IR or DT SMA—range max 250m.
- Serial BUS RS485 connection
- Management / programming / control/ adjustments via BUS
- Adebus control unit with double BUS and TC/IP - WEB Server access
- Up to 6 optional relay cards to have 96 fully programmable outputs
- 7 master output on control panel
- Memory last 20.000 events with download facility.
- ZONING : analisys of the alarm with ability to detect up to 5 zones into the covered area
- Informations for: Alarm, Tamper, Environmental disqualification, Masking, heating active, low tension, RX status of every column.

ACCESSORIES

SOFTWARE ADEBUS EXPLORER

Management software with information and pro-
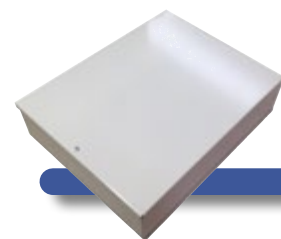gramming for each column model MANA SMA,
SMA PARVIS, SANDOR PLUS SMA.

CODE	DESCRIPTION	TYPE OF PRODUCT
ADEBUS	Monitoring control panel for digital systems connected with RS485. In metal box with power supplier.	CONTROL PANEL
ADEBUS ESP	Expansion module for ADEBUS with 16 output relay. Max. 6 modules for ADEBUS	ACCESSORIES
ADEBUS S2	Expansion module for ADEBUS to have second serial RS485 line	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

LAR 22 S

CHARACTERISTICS

- Powert supplier in metal box
- 2 output 13,8Vdc—2.5A
- 2 output 24Vac—300VA
- Fuse 10A to protect 24Vac output
- Fuse 3A to protect   13,8Vdc output
- Fuse 3A to protect battery
- Primary 230Vac protected by fast fuse 250V/2A
- Place for battery 12V—17Ah MAX
- Protection degree : IP40
- In acordance to European norm :
  - Emission :   EN 550022-B   EN 610004-3-2
  - Immunity :   EN 55024
    - EN 610004-2   EN 610004-3
    - EN 610004-4   EN 610004-5
    - EN 610004-6 EN 610004-8
    - EN 610004-11
  - Low tension: EN 60950
  - Alimentazione :   S 61940
- Dimensions : l=300mm h=380mm p=90mm
- Weight: 4.5kg

LAR 18

CHARACTERISTICS

- Power supplier in waterproof box
- Nr. 1 Output 13,8Vdc—0,9 A
- Nr. 1 Output 24Vac—2,5 A
- Nr. 1 for battery charge

CODE	DESCRIPTION	TYPE OF PRODUCT
LAR 22S	Power supplier 13,8Vdc 2.5A - 24Vac300VA	ACCESSORIES
LAR 18	Power supplier - 12 Vdc 0,9A - 24 Vca 2,5A.	ACCESSORIES
LAR B 4	Battery 4Ah for LAR 18 in sealed container.	ACCESSORIES

EVOLUTION & INNOVATION

DOUBLE TECHNOLOGY PASSIVE
CURTAIN SENSOR

CHARACTERISTICS

- Protection grade: IP65
- Suggested installation height: 2÷3m.
- PIR and microwave range settable 1÷12m
- 24GHz supervised microwave in K-band
- Coverage angle IR = 80°V - 6°H ; MW = 85°V - 30°H
- Supply 10Vdc ÷ 30Vdc - consumption 42mA MAX
- LEDS excludable: Walk-test, IR, MW and Alarm.
- NC Outputs : Alarm, Tamper, Anti-masking (open collector)
- Function ANTIMASKING settable
- Function PET IMMUNITY
- Function SELF-DIAGNOSTIC (Automatic check every 50 sec)
- Automatic TEMPERATURE COMPENSATION (thermic probe included)
- Automatic ENVIROMENTAL COMPENSATION (rain)
- TRIPLE AUTOPROTECTION (opening, wall pulling and anti-masking)
- Fixing accessories for straight wall-mounting and L bracket included
- Operating temperature -25°C÷ +65°C
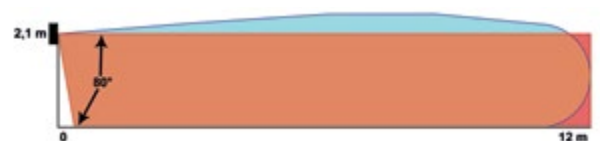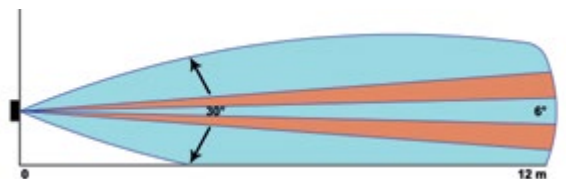- Dimensions: 135x33x40mm

ACCESSORIES

"L" MOUNTING BRACKET :

POLITEC
Perimeter protection

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm)
- ALES 60 – range 60 m - ALES 120 —range 120 m
- 4 signal modulation channels
- Alignment SMA
- Operating temperature -25°÷ +65°
- Dual optical per beam
- Optical synchronization
- Adjustable reaction time 50 ÷ 500 mSec
- Fog disqualification with dedicated output
- Supply 10Vdc ÷ 30Vdc
- Outputs : Alarm, Tamper, Fog (low signal)
- Wall fixing and pole fixing bracket included
- Heating resistors 5W (option) with thermostat supplied 10Vdc ÷ 30Vdc – dim. 2x6x2cm
- Dimensions: L 7 cm — P 8 cm—h 18 cm
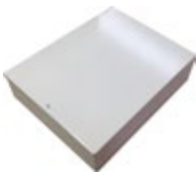- Adjustable intervention time 50 ÷ 750 msec

SMA OPTICS

ACCESSORIES

LAR 22 S

Power supplier
12Vcc/ 2,5 A
24 Vac/300W
Place for battery
12 V/17 Ah

ALES TS

Kit heaters
(5W/12Vcc) With thermostat
Supply 10 ÷ 30Vcc
Cons. 125 mA

CODE	DESCRIPTION	TYPE OF PRODUCT
ALES 60	Single beam Dual Optics barrier - 60 m range	PAIR OF COLUMNS
ALES 120	Single beam Dual Optics barrier - 120 m range	PAIR OF COLUMNS
ALES TS	Heaters with thermostat for Ales - 2pcs	ACCESSORIES
LAR 22S	Power supplier 13,8Vdc 2.5A - 24Vac300VA	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

SMA OPTICS

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm)
- Range 60 m
- 4 signal modulation channels
- Alignment SMA
- Operating temperature -25° ÷ +65°
- Dual optical per beam
- Optical synchronization
- Adjustable reaction time 50 ÷ 500 mSec
- Fog disqualification with dedicated output
- Supply 3,6 Vdc
- Outputs : Alarm, Tamper, Fog (low signal), Battery low
- Wall fixing and pole fixing bracket included
- Dimensions: L 7 cm — P 13 cm—h 18 cm
- Adjustable intervention time 50 ÷ 500 msec

ACCESSORIES

SA/BK2

CODE	DESCRIPTION	TYPE OF PRODUCT
ALES WS	Single beam Dual Optics barrier - 60 m range - Battery operated	PAIR OF COLUMNS
SA/BK2	Battery 3.6V 19000mAh with connectors	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

ACTIVE INFRARED BARRIER FOR DOORS AND WINDOWS

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range15m MAX
- Operating temperature -25°C÷ +65°C
- 4÷20 optics to obtain from 2÷10 parallel double beams.
- Wired synchronization.
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted)
- Outputs : Alarm, Tamper
- Optional heating kit : 1 Thermostat and from 2 up to 14 heating resistors.
- Supply 13,8Vdc
- Tampered rotating brackets to simplify the alignment.
- Anodized aluminium structure
- Dimensions : L25mm—P22mm—h. 0,6m ÷ 4m
- White colour available with reduced range (5m).
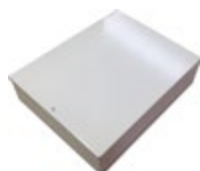- Intervention time 50 or 250 msec

ACCESSORIES

SADRIN SD
Nr. 4 Swivel bracket

LAR 22
Power supplier 12Vcc/24Vac

SADRIN KIT TER
Kit thermostat and heaters

CODE	DESCRIPTION	TYPE OF PRODUCT
SADRIN 205	Height 50 cm 2 double beams 2TX + 2RX	PAIR OF COLUMNS
SADRIN 210	Height 100 cm 2 double beams 2TX + 2RX	PAIR OF COLUMNS
SADRIN 310	Height 100 cm 3 double beams 3TX + 3RX	PAIR OF COLUMNS
SADRIN 410	Height 100 cm 4 double beams 4TX + 4RX	PAIR OF COLUMNS
SADRIN 415	Height 150 cm 4 double beams 4TX + 4RX	PAIR OF COLUMNS
SADRIN 420	Height 200 cm 4 double beams 4TX + 4RX	PAIR OF COLUMNS
SADRIN 425	Height 250 cm 4 double beams 4TX + 4RX	PAIR OF COLUMNS
SADRIN 430	Height 300 cm 4 double beams 4TX + 4RX	PAIR OF COLUMNS
SADRIN 615	Height 150 cm 6 double beams 6TX + 6RX	PAIR OF COLUMNS
SADRIN 620	Height 200 cm 6 double beams 6TX + 6RX	PAIR OF COLUMNS
SADRIN 625	Height 250 cm 6 double beams 6TX + 6RX	PAIR OF COLUMNS
SADRIN 630	Height 300 cm 6 double beams 6TX + 6RX	PAIR OF COLUMNS
SADRIN 820	Height 200 cm 8 double beams 8TX + 8RX	PAIR OF COLUMNS
SADRIN 825	Height 250 cm 8 double beams 8TX + 8RX	PAIR OF COLUMNS
SADRIN 830	Height 300 cm 8 double beams 8TX + 8RX	PAIR OF COLUMNS
SADRIN 835	Height 350 cm 8 double beams 8TX + 8RX	PAIR OF COLUMNS
SADRIN 1020	Height 200 cm 10 double beams 10TX + 10RX	PAIR OF COLUMNS
SADRIN 1025	Height 250 cm 10 double beams 10TX + 10RX	PAIR OF COLUMNS
SADRIN 1030	Height 300 cm 10 double beams 10TX + 10RX	PAIR OF COLUMNS
ESP TX+RX	Expansion kit 1TX+1RX+cable 20cm	ACCESSORIES
SADRIN SD	kit of 4 pivoting brackets	ACCESSORIES
LAR 22S	Power supplier 13,8Vdc 2.5A - 24Vac300VA	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

SELF-POWERED ACTIVE INFRARED BARRIER FOR DOORS AND WINDOWS

CHARACTERISTICS

- Multiplexed active infrared (LO = 950nm) range10m MAX
- Operating temperature -25°C÷ +65°C
- 4÷16 optics to obtain from 2÷8 parallel double beams
- Easy alignment thanks to SMA system and walk test.
- Optical synchronization.
- Mode OR (one interrupted double beam gives alarm) or AND (alarm given only if at least 2 double beams are interrupted)
- Supplied with Lithium battery 3,6Vdc
- Outputs : Alarm, Tamper, Supplying output.
- Power supply: WSI version with 4 lithium batteries 3.6V 2.7Ah; WSE version with 2 batteries 3.6V 19Ah
- Battery life WSE 3 years —WSI 1,5 years
- Tampered rotating brackets to simplify the alignment on distance greater than 5m. Only for WSI version.
- Anodized aluminium structure;
- Dimensions : L25mm—P22mm—h. 0,6m ÷ 4m
- White colour available with reduced range.
- Intervention time 150 or 250 msec

ACCESSORIES

SAD/WSE

2 Boxes with Batt. 3,6 V 19Ah

SADRIN SD

Nr. 4 Swivel bracket

SA/BK2

Kit 2 batt. 3,6V 19Ah

SA/BK

Kit 4 bat. 3,6V 2,7Ah

SADRIN BH

Additional battery holder for WSI

CODE	DESCRIPTION	TYPE OF PRODUCT
SADRIN WSI SMA 205	Height 50 cm 2 beams	PAIR OF COLUMNS
SADRIN WSI SMA 410	Height 1 m 4 beams	PAIR OF COLUMNS
SADRIN WSI SMA 415	Height 1,5 m 4 beams	PAIR OF COLUMNS
SADRIN WSI SMA 420	Height 2m 4 beams	PAIR OF COLUMNS
SADRIN WSI SMA 425	Height 2,5m 4 beams	PAIR OF COLUMNS
SADRIN WSI SMA 430	Height 3 m 4 beams	PAIR OF COLUMNS
SADRIN WSI SMA 615	Height 1,5 m 6 beams	PAIR OF COLUMNS
SADRIN WSI SMA 620	Height 2 m 6 beams	PAIR OF COLUMNS
SADRIN WSI SMA 820	Height 2 m 8 beams	PAIR OF COLUMNS
SADRIN WSI SMA 825	Height 2,5 m 8 beams	PAIR OF COLUMNS
SADRIN WSI SMA 830	Height 3 m 8 beams	PAIR OF COLUMNS

CODE	DESCRIPTION	TYPE OF PRODUCT
SADRIN WSE SMA 205	Height 50 cm 2 beams	PAIR OF COLUMNS
SADRIN WSE SMA 410	Height 1 m 4 beams	PAIR OF COLUMNS
SADRIN WSE SMA 415	Height 1,5 m 4 beams	PAIR OF COLUMNS
SADRIN WSE SMA 420	Height 2m 4 beams	PAIR OF COLUMNS
SADRIN WSE SMA 425	Height 2,5m 4 beams	PAIR OF COLUMNS
SADRIN WSE SMA 430	Height 3 m 4 beams	PAIR OF COLUMNS
SADRIN WSE SMA 615	Height 1,5 m 6 beams	PAIR OF COLUMNS
SADRIN WSE SMA 620	Height 2 m 6 beams	PAIR OF COLUMNS
SADRIN WSE SMA 820	Height 2 m 8 beams	PAIR OF COLUMNS
SADRIN WSE SMA 825	Height 2,5 m 8 beams	PAIR OF COLUMNS
SADRIN WSE SMA 830	Height 3 m 8 beams	PAIR OF COLUMNS

CODE	DESCRIPTION	TYPE OF PRODUCT
SA/BK	Battery 3.6V 2700mAh	ACCESSORIES
ESP WS Tx+Rx	Expansion beams kit	ACCESSORIES
KIT SAD/WSE	Conversion kit WSE, without battery	ACCESSORIES
SA/BK2	Battery 3.6V 19000mAh with connectors	ACCESSORIES
SADRIN BH	Additional battery holder (2pcs)	ACCESSORIES
SADRIN SD 2 N	kit of 4 pivoting brackets Black	ACCESSORIES
SADRIN SD 2 B	kit of 4 pivoting brackets White	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

SELF POWERED ACTIVE INFRARED BARRIER

CHARACTERISTICS

- Battery supplied 3,6V—19Ah
- Composed from 2 up to 6 double beams – MAX range 50 m.
- Alignment SMA.
- Low battery alert
- Fog disqualification
- Adjustable reaction time 50 ÷ 500 mSec
- Life of batteries 36÷72 months (6 ÷ 2 double beams)
- Tamper and low battery alert of TX column transmitted optically to RX column
- Outputs : Alarm, Tamper, Fog disqualification, Low battery
- Compatible with all Wireless systems
- Supplying output (3 o 3,6V) for wireless transmitter
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
- Wall or pole mounting
- Dimensions L 6cm—P 6cm—h. 50cm ÷ 100cm
- Anti crawl function

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORIES

SAN/SD	SAN/PL	TB1 - TB2	SA/BK2
Wall mounting bracket	Pole mounting bracket	Poles Φ 49mm 1m - 2m	Batteries 3,6V 19Ah

CODE	DESCRIPTION	TYPE OF PRODUCT
SANDOR SMA WS 205	Barrier composed with 2TX e 2RX Dual optical beams, H 60 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 210	Barrier composed with 2TX e 2RX Dual optical beams, H 100 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 215	Barrier composed with 2TX e 2RX Dual optical beams, H 150 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 220	Barrier composed with 2TX e 2RX Dual optical beams, H 200 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 310	Barrier composed with 3TX e 3RX Dual optical beams, H 100 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 315	Barrier composed with 3TX e 3RX Dual optical beams, H 150 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 320	Barrier composed with 3TX e 3RX Dual optical beams, H 200 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 410	Barrier composed with 4TX e 4RX Dual optical beams, H 100 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 415	Barrier composed with 4TX e 4RX Dual optical beams, H 150 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 420	Barrier composed with 4TX e 4RX Dual optical beams, H 200 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 425	Barrier composed with 4TX e 4RX Dual optical beams, H 250 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 515	Barrier composed with 5TX e 5RX Dual optical beams, H 150 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 520	Barrier composed with 5TX e 5RX Dual optical beams, H 200 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 525	Barrier composed with 5TX e 5RX Dual optical beams, H 250 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 615	Barrier composed with 6TX e 6RX Dual optical beams, H 150 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 620	Barrier composed with 6TX e 6RX Dual optical beams, H 200 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SANDOR SMA WS 625	Barrier composed with 6TX e 6RX Dual optical beams, H 250 cm. Internal Battery Kit SA/BK2. Range max 50 m.	PAIR OF COLUMNS
SAN/PL	Pole / wall mounting kit	ACCESSORIES
SAN/SD	Wall mounting kit for one barrier (2pcs)	ACCESSORIES
SAN/TB1	Zincated pole H 1 m – Dia 49 mm.	ACCESSORIES
SAN/TB2	Zincated pole H 2 m – Dia 49 mm.	ACCESSORIES
SA/BK2	Battery 3.6V 19000mAh with connectors - (2 pcs)	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

ACTIVE INFRARED BARRIER POWERED WITH 230V

CHARACTERISTICS

- Power supply 230Vac + rechargeable battery 3,6V 1800 mAh
- Composed from 2 up to 6 double beams – MAX range 50 m.
- Alignment SMA.
- Low battery alert
- Fog disqualification
- Adjustable reaction time 50 ÷ 500 mSec
- Battery life in absence of 230Vac - 3 months
- Tamper and low battery alert of TX column transmitted optically to RX column
- Outputs : Alarm, Tamper, Fog disqualification, Low battery
- Compatible with all Wireless systems
- Output (3 o 3,6V) for wireless transmitter supply
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
- Wall or pole mounting
- Dimensions L 6cm—P 6cm—h. 50cm ÷ 100cm
- Anti crawl function

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORIES

SAN/SD	SAN/PL	TB1 - TB2	BAT SAN HY
Wall mounting bracket	Pole mounting bracket	Poles Φ 49mm 1m - 2m	Rechargeable battery 3,6V 1800mAh

POLITEC
Perimeter protection

CODE	DESCRIPTION	TYPE OF PRODUCT
SANDOR SMA HY 210	Barrier composed with 2TX e 2RX a dual optical beams, H 100 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 215	Barrier composed with 2TX e 2RX a dual optical beams, H 150 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 310	Barrier composed with 3TX e 3RX a dual optical beams, H 100 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 315	Barrier composed with 3TX e 3RX a dual optical beams, H 150 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 320	Barrier composed with 3TX e 3RX a dual optical beams, H 200 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 325	Barrier composed with 3TX e 3RX a dual optical beams, H 250 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 410	Barrier composed with 4TX e 4RX a dual optical beams, H 100 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 415	Barrier composed with 4TX e 4RX a dual optical beams, H 150 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 420	Barrier composed with 4TX e 4RX a dual optical beams, H 200 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 425	Barrier composed with 4TX e 4RX a dual optical beams, H 250 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 515	Barrier composed with 5TX e 5RX a dual optical beams, H 150 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 520	Barrier composed with 5TX e 5RX a dual optical beams, H 200 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 525	Barrier composed with 5TX e 5RX a dual optical beams, H 250 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 615	Barrier composed with 6TX e 6RX a dual optical beams, H 150 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 620	Barrier composed with 6TX e 6RX a dual optical beams, H 200 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA HY 625	Barrier composed with 6TX e 6RX a dual optical beams, H 250 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SAN/PL	Pole / wall mounting kit	ACCESSORIES
SAN/SD	Wall mounting kit for one barrier (2pcs)	ACCESSORIES
SAN/TB1	Zincated pole H 1 m – Dia 49 mm.	ACCESSORIES
SAN/TB2	Zincated pole H 2 m – Dia 49 mm.	ACCESSORIES
BATT SAN HY 1.8Ah	Battery 3.6V 1800Ah	ACCESSORIES

EVOLUTION & INNOVATION

POLITEC
Perimeter protection

ACTIVE INFRARED BARRIER POWERED WITH SOLAR CELLS

CARATTERISTICHE

- Power supply Solar cells + rechargeable battery 3,6V 1800 mAh
- Composed from 2 up to 6 double beams – MAX range 50 m.
- Alignment SMA.
- Low battery alert
- Fog disqualification
- Adjustable reaction time 50 ÷ 500 mSec
- Battery life in absence of recharge—3 months
- Tamper and low battery alert of TX column transmitted optically to RX column
- Outputs : Alarm, Tamper, Fog disqualification, Low battery
- Compatible with all Wireless systems
- Output (3 o 3,6V) for wireless transmitter supply
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
- Wall or pole mounting
- Dimensions L 6cm—P 6cm—h. 50cm ÷ 100cm

OTTICHE SMA

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORI

SAN/SD	SAN/PL	TB1 - TB2	BAT SAN HY
Wall mounting bracket	Pole mounting bracket	Poles Φ 49mm 1m - 2m	Rechargeable battery 3,6V 1800mAh

CODE	DESCRIPTION	TYPE OF PRODUCT
SANDOR SMA SL 210	Barrier composed with 2TX e 2RX a dual optical beams, H 100 cm. Solar cells+ rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 215	Barrier composed with 2TX e 2RX a dual optical beams, H 150 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 310	Barrier composed with 3TX e 3RX a dual optical beams, H 100 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 315	Barrier composed with 3TX e 3RX a dual optical beams, H 150 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 320	Barrier composed with 3TX e 3RX a dual optical beams, H 200 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 325	Barrier composed with 3TX e 3RX a dual optical beams, H 250 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 410	Barrier composed with 4TX e 4RX a dual optical beams, H 100 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 415	Barrier composed with 4TX e 4RX a dual optical beams, H 150 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 420	Barrier composed with 4TX e 4RX a dual optical beams, H 200 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 425	Barrier composed with 4TX e 4RX a dual optical beams, H 250 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 515	Barrier composed with 5TX e 5RX a dual optical beams, H 150 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 520	Barrier composed with 5TX e 5RX a dual optical beams, H 200 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 525	Barrier composed with 5TX e 5RX a dual optical beams, H 250 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 615	Barrier composed with 6TX e 6RX a dual optical beams, H 150 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 620	Barrier composed with 6TX e 6RX a dual optical beams, H 200 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SANDOR SMA SL 625	Barrier composed with 6TX e 6RX a dual optical beams, H 250 cm. Solar cells + rechargeable battery inside. Range max 100 m.	PAIR OF COLUMNS
SAN/PL	Pole / wall mounting kit	ACCESSORIES
SAN/SD	Wall mounting kit for one barrier (2pcs)	ACCESSORIES
SAN/TB1	Zincated pole H 1 m – Dia 49 mm.	ACCESSORIES
SAN/TB2	Zincated pole H 2 m – Dia 49 mm.	ACCESSORIES
BATT SAN HY 1.8Ah	Battery 3.6V 1800Ah	ACCESSORIES

EVOLUTION & INNOVATION

SELF POWERED ACTIVE INFRARED COLUMN

CHARACTERISTICS

- Battery supplied 3,6V—19Ah
- 2 ÷ 6 dual beams 3TX & 3RX — range 50 m.
- Alignment SMA.
- Low battery alert
- Fog disqualification
- Adjustable reaction time 50 ÷ 500 mSec
- Life of batteries 36÷72 months (6 ÷ 2 double beams)
- Tamper and low battery alert of TX column transmitted optically to RX column
- Outputs : Alarm, Tamper, Fog disqualification, Low battery
- Compatible with all Wireless systems
- Only TX or only RX column available
- Output (3 o 3,6V) for wireless transmitter supply
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
- Dimensions: Φ 8cm—h. 1,2m ÷ 3m
- Anti crawl function

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORIES

SA/BK2 — Batteries 3,6V 19Ah

POB 30 — Cable pit

LAMP 30 — Globe with lamp support

CODE	DESCRIPTION	TYPE OF PRODUCT
PARVIS SMA WS 412	Column composed with 4 dual optical beams 2TX + 2RX H 120 cm. Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 416	Column composed with 4 dual optical beams 2TX + 2RX H 160 cm. Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 420	Column composed with 4 dual optical beams 2TX + 2RX H 200 cm. Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 620	Column composed with 6 dual optical beams 3TX + 3RX H 200 cm. Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 625	Column composed with 6 dual optical beams 3TX + 3RX H 250 cm. Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 212 R / PARVIS SMA WS 212 T	Column with 2 dual optical beams RX o TX H 120 cm. - Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 216 R / PARVIS SMA WS 216 T	Column with 2 dual optical beams RX o TX H 160 cm. - Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 220 R / PARVIS SMA WS 220 T	Column with 2 dual optical beams RX o TX H 200 cm. - Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 320 R / PARVIS SMA WS 320 T	Column with 3 dual optical beams RX o TX H 200 cm. - Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
PARVIS SMA WS 325 R / PARVIS SMA WS 325 T	Column with 3 dual optical beams RX o TX H 250 cm. - Internal Battery Kit SA/BK2. Range max 50 m.	SINGLE COLUMN
SA/BK2	Battery 3.6V 19000mAh with connectors - (2 pcs)	ACCESSORIES
POB 30	Cable pit for Parvis and Mana columns	ACCESSORIES
LAMP 30	Lamp bowl 30cm Diameter	ACCESSORIES

EVOLUTION & INNOVATION

![POLITEC - Perimeter protection]

ACTIVE INFRARED COLUMN
POWERED WITH 230V

CHARACTERISTICS

- Power supply 230Vac + rechargeable battery 3,6V 1800 mAh
- Composed from 2 up to 8 double beams (4TX + 4RX– MAX range 50 m.
- Alignment SMA.
- Low battery alert
- Fog disqualification
- Adjustable reaction time 50 ÷ 500 mSec
- Battery life in absence of 230Vac—3 months
- Outputs : Alarm, Tamper, Fog disqualification, Low battery
- Compatible with all Wireless systems
- Output (3 o 3,6V) for wireless transmitter supply
- Only TX or only RX column available (max. 4 optics)
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
- Dimensions: Φ 8cm—h. 1,2m ÷ 3m
- Anti crawl function

SMA OPTICS

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORIES

BAT SAN HY

Rechargeable battery 3,6V 1800mAh

POB 30

Cable pit

LAMP 30

Globe with lamp support

CODE	DESCRIPTION	TYPE OF PRODUCT
PARVIS SMA HY 412	Column composed with 4 dual optica beams 2TX + 2RX H 120 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA HY 416	Column composed with 4 dual optica beams 2TX + 2RX H 160 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA HY 420	Column composed with 4 dual optica beams 2TX + 2RX H 200 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA HY 620	Column composed with 6 dual optica beams 3TX + 3RX H 200 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA HY 625	Column composed with 6 dual optica beams 3TX + 3RX H 250 cm. -Supply 230V + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA HY 212 R / PARVIS SMA HY 212 T	Column composed with 2 dual optics beams RX o TX H 120 cm. -Supply a 230 V + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA HY 216 R / PARVIS SMA HY 216 T	Colonna composta da 2 raggi doppia ottica RX o TX H 160 cm. Alimentazione a 230 V +batterie ricaricabili incluse. portata 100m.	COLONNA TERMINALE
PARVIS SMA HY 220 R / PARVIS SMA HY 220 T	Colonna composta da 2 raggi doppia ottica RX o TX H 200 cm. Alimentazione a 230 V +batterie ricaricabili incluse. portata 100m.	COLONNA TERMINALE
PARVIS SMA HY 320 R / PARVIS SMA HY 320 T	Colonna composta da 3 raggi doppia ottica RX o TX H 200 cm. Alimentazione a 230 V +batterie ricaricabili incluse. portata 100m.	COLONNA TERMINALE
PARVIS SMA HY 325 R / PARVIS SMA HY 325 T	Colonna composta da 3 raggi doppia ottica RX o TX H 250 cm. Alimentazione a 230 V +batterie ricaricabili incluse. portata 100m.	COLONNA TERMINALE
POB 30	Cable pit for Parvis and Mana columns	ACCESSORIES
LAMP 30	Lamp bowl 30cm Diameter	ACCESSORIES
BATT SAN HY 1.8Ah	Battery 3.6V 1800Ah for HYBRID & SOLAR barriers	ACCESSORIES

EVOLUTION & INNOVATION

ACTIVE INFRARED COLUMN POWERED WITH SOLAR CELLS

CARATTERISTICHE

- Power supply solar cells + rechargeable battery 3,6V 1800 mAh
- Composed from 2 up to 8 double beams (4TX + 4RX– MAX range 50 m.
- Alignment SMA.
- Low battery alert
- Fog disqualification
- Adjustable reaction time 50 ÷ 500 mSec
- Battery life in absence recharge —3 months
- Outputs : Alarm, Tamper, Fog disqualification, Low battery
- Compatible with all Wireless systems
- Output (3 o 3,6V) for wireless transmitter supply
- Only TX or only RX column available (max. 4 optics)
- Operating temperature -25°÷ +65°
- Anodized aluminium structure;
- Dimensions: Φ 8cm—h. 1,2m ÷ 3m

OTTICHE SMA

The new SMA technology (Single Man Alignment) allows the optical alignment thanks to efficient LED visible at 200m and buzzer for indicating the best signal without using other tools. This function is activated by pressing a button on each optic.

ACCESSORI

BAT SAN HY
Rechargeable battery 3,6V 1800mAh

POB 30
Cable pit

LAMP 30
Globe with lamp support

CODE	DESCRIPTION	TYPE OF PRODUCT
PARVIS SMA SL 412	Column composed with 4 dual optica beams 2TX + 2RX H 120 cm. Solar cells + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 416	Column composed with 4 dual optica beams 2TX + 2RX H 160 cm. Solar cells + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 420	Column composed with 4 dual optica beams 2TX + 2RX H 200 cm. Solar cells + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 620	Column composed with 6 dual optica beams 3TX + 3RX H 200 cm. Solar cells + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 625	Column composed with 6 dual optica beams 3TX + 3RX H 250 cm. Solar cells + rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 212 R / PARVIS SMA SL 212 T	Column composed with 2 dual optica beams RX o TX H 120 cm. Solar cells+ rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 216 R / PARVIS SMA SL 216 T	Column composed with 2 dual optica beams RX o TX H 160 cm. Solar cells+ rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 220 R / PARVIS SMA SL 220 T	Column composed with 2 dual optica beams RX o TX H 200 cm. Solar cells+ rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 320 R / PARVIS SMA SL 320 T	Column composed with 3 dual optica beams RX o TX H 200 cm. Solar cells+ rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
PARVIS SMA SL 325 R / PARVIS SMA SL 325 T	Column composed with 3 dual optica beams RX o TX H 250 cm. Solar cells+ rechargeable battery inside. Range max 100 m.	SINGLE COLUMN
POB 30	Cable pit for Parvis and Mana columns	ACCESSORIES
LAMP 30	Lamp bowl 30cm Diameter	ACCESSORIES
BATT SAN HY 1.8Ah	Battery 3.6V 1800Ah for HYBRID & SOLAR barriers	ACCESSORIES

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