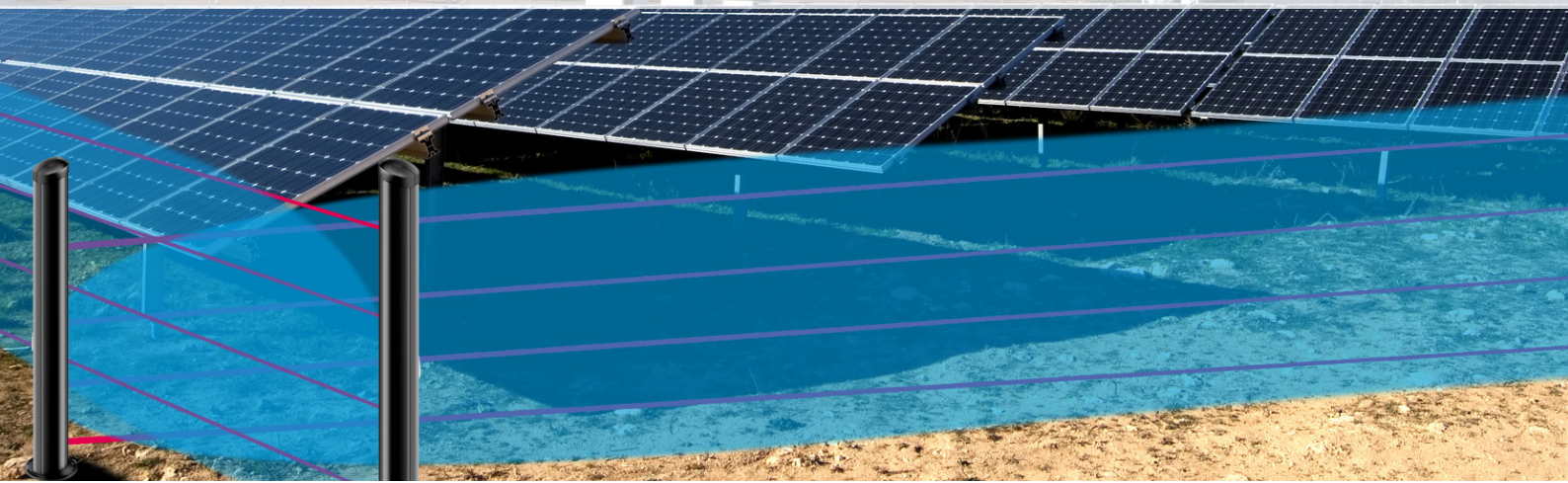


MANA DT SMA



Long range double technology barrier

A barrier composed of 2 towers with IR TX optical beams and a TX Microwave 24 GHz in one, while the other has RX and RX optical beams Microwave 24 GHz. Each section has its own alarm outputs which can therefore be managed as you wish based on requirements (OR or AND). The MANA DT SMA can be connected on BUS RS485 and managed with the ADEBUS centralisation system.

Accessories

HIGH LUMINOUSITY LED VISIBLE AT 200m

BUZZER

DOUBLE SMA OPTICAL BEAM

BUZZER WALK-TEST

LED BAR FOR MW ANALYSIS

MICROWAVE 24 GHz

Microwave

Active infrared and microwave

ADEBUS

MICROWAVE DOPPLER

POB 30 CABLE PIT

MANA AC TOP COVER ANTI-CLIMB

MANA SD BRACKETS FOR WALL MOUNTING

MANA BH BATTERY SUPPORT BRACKET

MANA FOR TOWER REINFORCEMENT BRACKETS

Technical characteristics

Maximum use distance outdoors	250 m
Maximum use distance indoors	500 m
Reach maximum distance	800 m
Optical with double beam	Yes with 50 mm lenses in AND
IR beams	Impulse rays in work wave 950 NM
Synchronisation	Spin or Optics
Pointing and alignment system	Optical-acoustic SMA technology
Beam arrangement	Parallel or Crossed
Configuration of beams in the tower in TERMINAL mode	Da 2 a 4 TX e da 2 a 4 RX + 1 Microwave
Settable operating mode	180 ° Horizontal 20 ° Vertical
Settable beams bypass mode	OR - AND RANDOM on board or remotable
Settable beams exclusion mode	1st or 1st and 2nd Radius on board or remotable
Crawl detection function on first, bottom beam	YES on card
Minimum limit distance between towers TX and RX in operation of the distance and number of beams	No limit if Parallel - from 4 to 8 meters if crossed
Adjustment of intervention time	From 50 to 500 mS with trimmer
Alarm output (IR e MW)	Relay with free contacts NC / NO
Fog environmental output	YES with dedicated OC output (90% signal attenuation)
Output for beam masking	YES with dedicated OC output
RS 485 serial output only with wire synchronism	YES for local and remote control with ADEBUS system
MICROWAVE SECTION	
Configuration tower	1 or 2 Microwave pairs
Configuration of beams in the tower in TERMINAL mode	1 TX column and 1 RX column
Minimum limit distance between towers TX and RX	10 m
Microwave working frequency	24 GHz in K-band with cavity and 200 mm dish antenna
Microwave modulation channels	4 switchable / selectable
Max diameter of the lobe	4 m in the middle of the maximum distance
Pointing, alignment and Walk-test system	Optical with Display, LED bar and acoustic on the RX board
Sensitivity adjustment	With trimmer on board
Column internal power supply	
Column internal power supply	230 Vac mains with outputs: 13.8 Vdc circuitry and 24 Vac thermostat
Internal column battery compartment	12V up to 7 Ah
Circuit absorption	From 270 to 350 mA per column, based on the number of beams housed
Absorption of thermostated heaters	From 120 W to 210 W per column
Operating temperature	From -25 ° to + 70 ° C
Anti-tampering output	Tamper opening column and front polycarbonate
Level of protection	IP54
Profile dimensions LxDxH	250 mm x 200 mm from 1000 to 4000 mm *

* on request it is supplied with a special base and accessories for pole or wall mounting