

# Datasheet MANA IR SMA

## Industrial IR barrier with high range and high security level

It is the barrier par excellence for long perimeters in industrial areas and with a high level of security, with an anti-corrosion anodized aluminum structure and polycarbonate screen. On-board 220V power supply and extreme range of action from 1 to 250m, it can be used in any type of perimeter by having internal receiving and transmitting optics that can be directed differently (up to 180 °) thus simplifying installation. The electronics and optics located inside are compatible with PARVIS MES SMA and SANDOR PLUS SMA and can be combined for mixed protections with the latter models. The MANA IR SMA can be connected with the RS485 bus and managed by the ADEBUS system for complete remote control.



CHARACTERISTICS	MANA IR SMA 250	MANA IR SMA 100
OUTDOOR RANGE	1- 250 m	1- 100 m
INDOOR RANGE	1- 500 m	1- 200 m
DOUBLE BEAMS OPTICS	AND with 35mm lens	
PHOTODEVICES	Pulsed type beams with a wavelength of 950 nm	
SYNCHRONIZATION	Wired / Optical	
ALIGNMENT SYSTEM	SMA Technology	
CALIBRATION	Parallel or Crossed	
BEAMS CONFIGURATION	2-3-4 TX + 2-3-4 RX	
TERMINAL COLUMN BEAMS CONFIGURATION	2-3-4 TX or 2-3-4 RX	
OPTICS ANGLE REGULATION	180° horizontal 20° vertical	
DETECTION SYSTEM	OR- AND RANDOM on board or remote control	
BEAM EXCLUSION	1° or 1° and 2° beam on board or remote control	
ANTI CRAWLING FUNCTION	YES	
INTERVENTION TIME REGULATION	50-500ms via trimmer	
CIRCUIT POWER SUPPLY	230 Vac input, with linear power supply and transformer	
CIRCUIT CONSUME	From 135 mA to 150mA depending on number of beams	
HEATERS POWER SUPPLY	12V – 24Vac-cc	
HEATER CONSUME	From 45W to 150W depending on height and number of beams	
BACKUP BATTERY	Lead Acid Battery 12V 7Ah max	
WORKING TEMPERATURE	-25°C / + 70°C	
OUTPUT: ALARM	Free Contacts Relay NC	
OUTPUT: TAMPER	Free Contacts Relay NC	
OUTPUT: FOG DISQUALIFICATION	Open Collector: NA to GND	
OUTPUT: ANTIMASKING	Open Collector: NA to GND	
OUTPUT: SERIAL RS485 (ONLY WITH WIRED SYNCHRONIZATION)	Local and Remote control by Adebus System	
IP PROTECTION	IP54 / 65 (on demand)	
PROFILE DIMENSIONS	250mm x 200mm x from 1000 to 4000mm on 300mm round base* *On demand it is supplied with a special base and accessories for pole / wall fixing	

## ACCESSORIES

RS485 Control Panel **ADEBUS**



Anti-Climb Cap **MANA AC TOP**



Bottom reinforcement bracket **MANA FOR**



Wall Bracket **MANA SD**



Pit **POB30**

