

# Datasheet PARVIS MES SMA

## Invisible IR light barrier

An outdoor security system designed for residential and industrial applications that can be integrated with lighting systems. Synchronized active infrared devices create an invisible and aesthetically excellent barrier. The structure that houses them is made of aluminum with a polycarbonate coating equipped with a cover of standard diameter for the lighting fixtures on the market.

The new KIT PARVIS 220 accessory also allows to optimize plant design and development time because a 220V power supply and a backup battery are added into the Parvis product.



CHARACTERISTICS	
OUTDOOR RANGE	1- 100 m
INDOOR RANGE	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° o 1° and 2° beam on board or remote control
ANTI CRAWLING FUNCTION	YES
INTERVENTION TIME REGULATION	50-500ms via trimmer
CIRCUIT POWER SUPPLY	12V - 30Vdc
CIRCUIT CONSUME	From 135 mA to 150mA depending on the number of beams
HEATERS POWER SUPPLY	12V – 24Vac-cc
HEATER CONSUME	From 30W to 50W per column depending on the number of beams
WORKING TEMPERATURE	-25°C / + 70°C
OUTPUT ALARM	Free contacts Relay NC
OUTPUT TAMPER	Free contacts Relay NC
OUTPUT FOG DISQUALIFICATION	Open Collector NA
OUTPUT ANTIMASKING	Open Collector NA
OUTPUT SERIAL RS485 (ONLY WITH WIRED SYNCHRONIZATION)	Management remote control via ADEBUS
OPTIONAL POWER SUPPLY 220V	KIT PARVIS 220 - 220V @50Hz power supply
BACKUP BATTERY	KIT PARVIS 220 – Lead Acid battery 12V 0.8Ah
IP PROTECTION	IP54 / 65 (on demand)
DIMENSIONS TUBE DIAM XH	80mm x from 1200 to 4000m

## ACCESSORIES

RS485 control panel  
ADEBUS



Pit **POB30**



**LAMP 30**  
Light Globe



Power supply for Pit  
**LAR18**



**KIT PARVIS 220V**  
220V power supply and battery 12V



Backup battery for Pit  
**LAR B4**



Power supply  
**LAR22 S**

