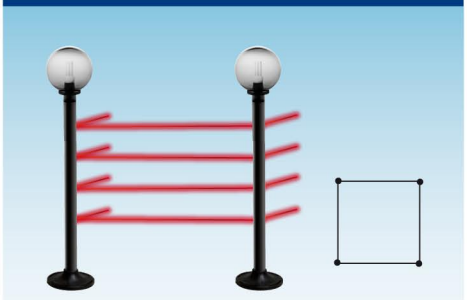
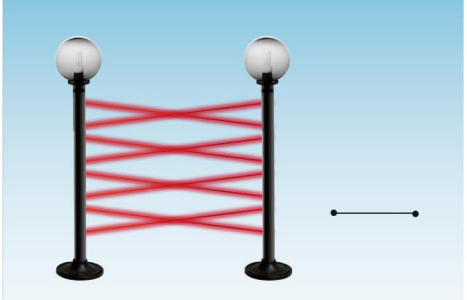
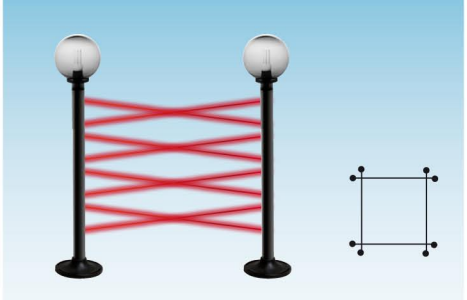
8 Beam Figure - Simple barrier



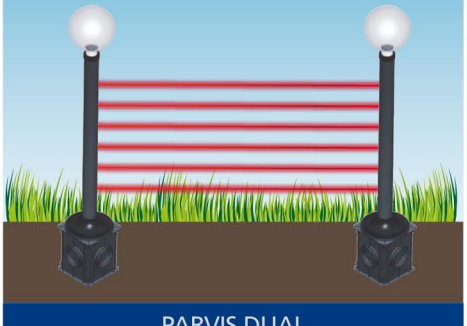
8 Beam Figure - Single barrier



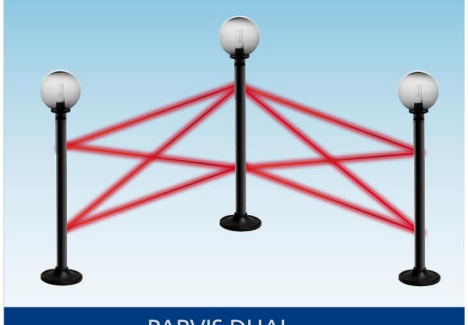
8 Beam Figure - Crossed barrier



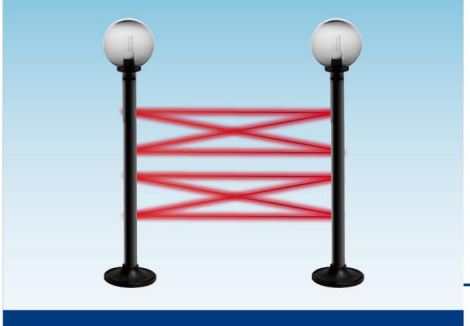
PARVIS RP Connection



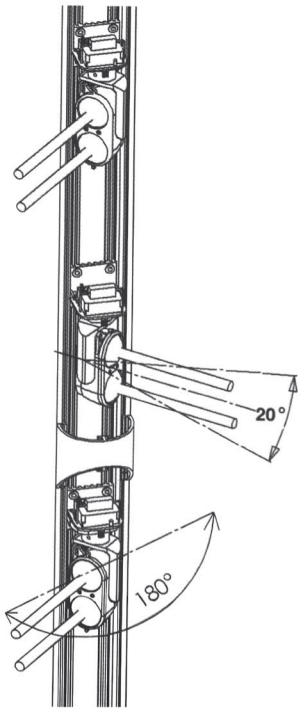
PARVIS DUAL



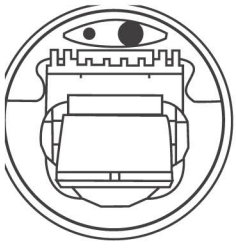
PARVIS DUAL



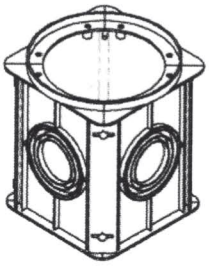
ADJUSTMENT ANGLE



CABLE PASSAGE SECTION



HOUSING FOR FASTENING



HIGH BRIGHTNESS LEDS
VISIBLE AT 200m

BUZZER

DUAL TRADITIONAL OPTICAL LENS

DUAL SMA OPTICAL LENS

"DUAL IN AND OPTICAL LENS"

PERFORMANCE

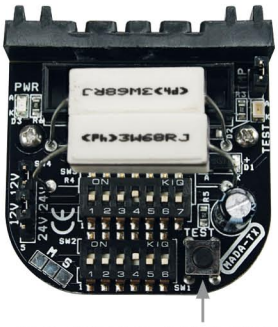
- Random delay.
- Parallel and crossed beams.
- Environmental disqualification from fog with OC signal.
- AND-OR random or first two beams.
- Beam 1 or first 2 exclusion.
- Wire or optical synchronism.
- Anti-mask with OC signal.
- Anti crawl.
- Adjustable crossing time.
- 4 optical synchronism channels.
- LED exclusion.

NEW SMA RX OPTICAL LENS

HEATERS POWER SUPPLY AT 12 OR 24 Vac / Vdc

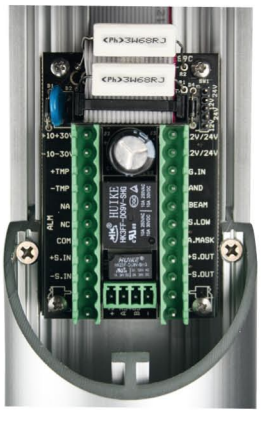
BUTTON TO ACTIVATE THE ALIGNMENT

NEW SMA TX OPTICAL LENS



HEATERS POWER SUPPLY AT 12 OR 24 Vac / Vdc

BUTTON TO ACTIVATE THE ALIGNMENT



TERMINAL BOARD WITH RS485 OUTPUT

POWER SUPPLY 10-30 Vdc

HEATERS POWER SUPPLY 10-30 Vac / Vdc

THE NEW PARVIS SMA

The new SMA (single man alignment) technology allows for alignment by a single operator, as the high brightness LEDs and buzzer for each optical lens can reach maximum value without use of additional instrumentation.
Alignment is achieved simply via a button located on each optical lens.
RS485 output for system centralisation.
Ability to operate with optical synchronism.

CHARACTERISTICS TECHNICAL

CE

PARVIS TECHNICAL CHARACTERISTICS

	PARVIS MES	PARVIS SMA
Maximum internal distance of use	400 m	
Maximum external distance of use	100 m	
Synchronization	Wire	Wire or Optical
Optical lens with dual beam	YES with 35 mm in AND lenses	
Photo devices	Pulsed beams, working wave 950 NM	
Maximum double beam configuration inside column	4TX + 4RX	
Beam arrangement	Parallel	
Circuit power supply	13,8 Vdc	10-30 Vdc
Circuit absorption	From 135 to 150 mA per column, based on the number of beams housed	
Heater power supply	24 Vac	12-24 Vac-dc
Thermostat heater absorption	From 30 to 50W per column, based on the number of beams housed	
Operating temperature	from -25 to +65° C	
Alarm outputs	Relay with NC/NO free contacts	
Tamper protection output	Column opening tamper protection	
Environmental disqualification from fog	YES with special OC output (signal attenuation at 90%)	
Beam anti-masking	YES with special OC output	
RS 485 serial output	NO	YES for local and remote control on universal resident interface, owner and not, combined with management software
Protection Degree	IP 54	
Pole size Diam. xH	80mm x from 1200 to 4000 mm	

Different heights available on request

CE

PARVIS FUNCTIONAL PERFORMANCE

	PARVIS MES	PARVIS SMA
Tracking and alignment system	Test point on each beam	SMA technology via high brightness LED and Buzzer
Optical excursion	180° horizontal and 20° vertical	
Operating mode settable on board or via remote	OR: single beam AND Random (random of two beams) AND 1st and 2nd beam (if there are 4 beams in a column)	
Anti crawl	Settable on the first bottom beam	
Response time	Adjustable 50/500ms	
Time delay function	Random 0 ÷ 2 seconds (can be activated via dip)	
Beam exclusion mode settable on board or via remote	1st beam at the bottom 1st and 2nd beam at the bottom Temporary total for 1 minute	
LED activation	Can be excluded with dip	
Optional mounting accessories	Housing, plug with microcamera, lighting fixture	
Accompanying manuals	Instructions manual with application example figures	
Warranty	Integral 2 years for manufacturing defects	

PARVIS MES 9000S is compatible with SANDOR PLUS and MANA IR

CHARACTERISTICS TECHNICAL

CE

PARVIS TECHNICAL CHARACTERISTICS

	PARVIS DUAL	PARVIS DUAL SMA	PARVIS WS
Maximum internal distance of use	300 m	400 m	150 m
Maximum external distance of use	80 m	100 m	40 m
Minimum installation distance between columns TX and RX			
Column height 1 m	4m		
Column height 1.5 m	6m		
Column height 2 m	8m		
Synchronization	Optical lens	Optical lens	Optical lens
Optical lens with dual beam	YES with 35mm in AND lenses		
Photo devices	Pulsed beams in working wave 950 NM		
Maximum double beam configuration inside column	2TX + 2RX		2TX + 2RX or 4TX + 4RX
Beam arrangement	(4 beams) crossed	(2 beams) parallel or (4 beams) crossed	Parallel
Circuit power supply	13,8 Vdc	10 - 30 Vdc	3.6V 19Ah batteries included
Circuit absorption per column	135mA		From 0.5 to 1 microA per column, based on the number of beams
Heater power supply	24 Vac	12 - 24 Vac - dc	Not required
Thermostat heater absorption per column	30 W		0
Operating temperature	from -25° to + 65° C	from -25° to + 65° C	from -25° to + 65° C
Alarm outputs	Relay with NC/NO free contacts		Low absorption micro relay with NC/NO free contacts
Tamper protection output	Column opening tamper protection		
Environmental disqualification from fog	NO	YES with special OC output	Yes but without a special output
Beam anti-masking	YES with special OC output		
Protection Degree	IP54		
Pole size Diam. xH	80mm x from 1200mm to 4000mm		

CE

PARVIS FUNCTIONAL PERFORMANCE

	PARVIS DUAL	PARVIS DUAL SMA	PARVIS WS
Tracking and alignment system	Test point on each beam	SMA technology via high brightness LED and Buzzer	Test point on each beam
Optical excursion	180° horizontal and 20° vertical		
Operating mode settable on board or via remote	OR: single beam AND two beams AND		OR: single beam AND two beams AND 1st and 2nd beam (se in (if there are 4 beams in a column)
Response time	250ms fixed		Adjustable 50/500ms
Time delay function	NO		Random 0 or 2 seconds (can be activated via dip)
LED activation	Can be excluded with dip		
Optional mounting accessories	Housing, plug with microcamera, lighting fixture		
Accompanying manuals	Instructions manual with application example figures		
Warranty	Integral 2 years for manufacturing defects		