LASER SENTINELTM ENHANCED your sentinel for safe area protection



Laser Sentinel Master/Slave

Safety Laser Scanner Type 3, Pl d, SIL 2

Up to 3 simultaneous Safety zones up to 5.5 m Up to 2 simultaneous Warning Zones up to 40 m

Advanced measurement data on Ethernet

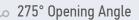
Display with colour-based Intrusion Detection System

Configurable outputs for general fault or "clean window" alarm

8/12/17 pins M12 connectors for standard cabling <

Encoder inputs for speed monitoring

Partial dynamic muting



NEW

NEW

30/40/50/70/150 mm detection capability Selectable by Graphic User Interface

Muting and Override functions available

NEW Up to 70 zone safe set switching

NEW Replaceable window

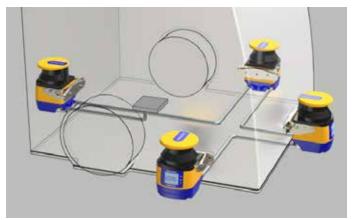
Master-slave connection includes seamless safe communication and power transmission

Ethernet port on Master for programming and monitoring of whole system by a single point

Fast replacement with memory backup

SLS-M (Master) and up to three SLS-R (Slave) can be connected without need of additional external unit to form a consistent safety system that share safety and warning zones over all devices.

Available functions make it possible to protect static horizontal or vertical applications, as well as moving applications.



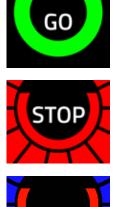




TECHNICAL DATA MASTER/ SLAVE MODEL (SLS-M/R)

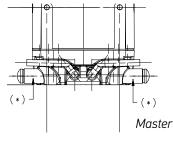
	Type (EN61496-1)	3	
General data	PL (EN ISO 13849-1)	d	
	SIL (IEC 61508)	2	
Detection data	Detection capability	30/40/50/70/150 mm selectable	
	Angular resolution	0.1°	
	Safety zone operating range	0.05 5.5 m	
	Warning zone max operating range	0.05 40 m	
	Max. number of simultaneous warning zones	2	
	Max. number of simultaneous safety zones	3	
	Max. opening angle	275°	
	Response time (Configurable)	Min: 62 ms; Max: 482 ms	
Electrical data	Power supply (Vdd)	24 Vdc ± 20%	
	Safety Outputs (OSSDs)	2	
	Output current	0.25 A max / each OSSD	
	Capacitive load	2.2 uF @ 24Vdc max	
	Configurable Inputs	8pin: 2; 12pin: 4; 17pin: 4; 17+8pin:4	
	Configurable Inputs/Outputs	8pin: 1; 12pin:4; 17pin: 6; 17+8pin:14	
Mechanical and environmental data	Operating temperature	-10+50 °C	
	Storage temperature	-20+70°C	
	Humidity	15 95 % (no condensation)	
	Mechanical protection	IP 65 (EN 60529)	
Functions	Manual / automatic restart		
	Dynamic switching between zone sets		
	Warning area intrusion detection		
	Total Muting (T or L)		
	Reference Points		
	Override		
	Muting Lamp		
	Advanced measurement data		
	"Clean Window" alarm		
	Partial dynamic muting		
	Fast replacement		
	T ast reptace	invin.	

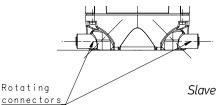
COLOR INTRUSION DETECTION SYSTEM



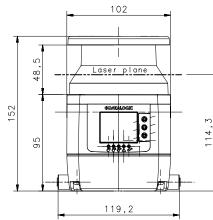




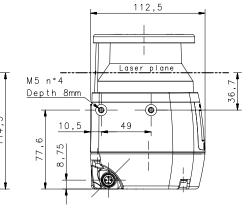




DIMENSIONS



	SIGNAL
POWER	2 POWER SUPPLY
POWER	7 GND_ISO
	3 MULTI IN
INPUT/OUTPUT	4 MULTI IN
	1 MULTI IN/OUT
SAFETY OUTPUTS	5 OSSD11
SAFEIT UUIPUIS	6 OSSD12
OTHER	8 F_EARTH



CONNECTOR (M12, 12-POLE)

11

8

5

12

MULTI IN/OUT

OSSD11

OSSD12

F EARTH

POWER SUPPLY 1 POWER SUPPLY 4 POWER 2 GND_ISO 6 GND_ISO 3 MULTI IN MULTI IN/OUT MULTI IN/OUT INPUT 0 10 MULTI IN/OUT

OUTPUT

INPUT/0

SAFETY OTHER

97 014 5 7 015 0 7 70 0		SIGNAL
	1	POWER SUPPLY
	10	POWER SUPPLY
	11	POWER SUPPLY
	2 3	GND_ISO
	3	GND_ISO
	12	GND_ISO
		MULTI IN
	7	MULTI IN
	6	MULTI IN
	17	MULTI IN
	4	MULTI IN
	15	MULTI IN
UTPUT	4	MULTI IN/OUT
UIPUI	15	MULTI IN/OUT
OUTPUTS		OSSD11
001-013	8	OSSD12
	16	F_EARTH

CONNECTOR (M12, 17-POLE)

CONNECTOR (M12, 17+8-POLE) Image: Speed input 8-4 MULTI IN SPEED 8-6 MULTI IN SPEED 8-5 MULTI IN SPEED 8-6 MULTI IN SPEED 8-7 MULTI IN SPEED 8-7 MULTI IN 8-1 MULTI IN 8-2 MULTI IN 8-3 MULTI IN 8-4 MULTI IN



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POWER

OTHER

INPUT/OUTPUT

SAFETY OUTPUTS



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