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 \circ

Encoder inputs for speed monitoring

Partial dynamic muting



NEW

0

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

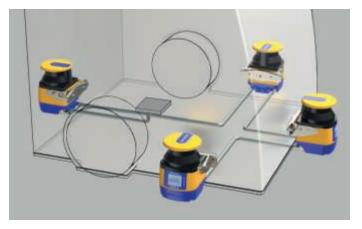
Master-slave connection includes seamless safe communication and power transmission

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.





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

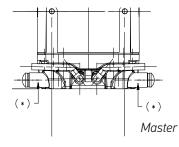
	Туре (EN61496-1)	3	
General data	PL (EN ISO 13849-1)	d	
	SIL (IEC 61508)	2	
Detection data	Detection capability	30/40/50/70/150 mm selectable	
	Angular resolution	0.1°	
	Safety zone operating range	0.05 5.5 m	
	Warning zone max operating range	0.05 40 m	
	Max. number of simultaneous warning zones	2	
	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		
	Fasi Tepiace	ment	

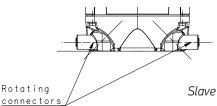
COLOR INTRUSION DETECTION SYSTEM



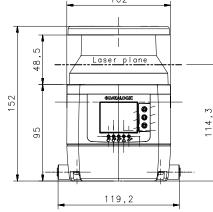








DIMENSIONS



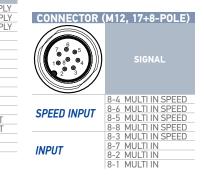
I/O CONNECTOR CONNECTOR (M12, 8-POLE)

	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
SAFEITUUIPUIS	6 0SSD12
OTHER	8 F_EARTH

	412,	12-POLE) SIGNAL
		OWER SUPPLY
POWER		OWER SUPPLY
		ND_ISO
		ND_ISO
	0 11	ULTIIN
		ULTI IN/OUT
INPUT/OUTPUT	9 M	ULTI IN/OUT
	10 M	IULTI IN/OUT
	11 N	/ULTI IN/OUT
SAFETY OUTPUTS	8 0	SSD11
SAFEIT UUIPUIS	5 0	SSD12
OTHER	12 F	_EARTH

		SIGNAL
	1	POWER SUPPI
	10 11	POWER SUPP
POWER		GND ISO
	2 3	GND ISO
		GND ISO
	14	MULTI IN
INPUT	7	MULTI IN
na or	6	
	17	MULTIIN
OUTPUT	4 15	
	4	MULTI IN/OUT
INPUT/OUTPUT	15	
SAFETY OUTPUTS	13	OSSD11
	8	OSSD12
OTHER	16	F_EARTH

CONNECTOR (M12, 17-POLE)





For more information

Call 1300 36 26 26 | sales@colterlec.com.au | www.colterlec.com.au

M5 n°4 Depth 8mm 10,5 49 10,5 49 10,5 49 10,5 49 10,5 49 10,5 49 10,5 49 10,5 49 10,5 49 10,5 49 10,5 1

112,5