## SPACEGUARD™ SERIES

## Description

- Diffuse proximity operation mode
- 0-1,3 metre sensing range
- 8 to 40 proximity channels
- Active length of 330 mm to 1800 mm
- Housing length of 510 mm to 1980 mm
- Plug connection
- Sensitivity adjustment via potentiometer
- Blanking function
- Water-resistant (23,4x30,9 mm) detector housing
- High tolerance to hostile environments
- Power, output and system status indicators
- 12-30 V dc supply voltage
- 5 wire, solid state relay output



The SGP 30 is a diffuse proximity light curtain system housed in a sturdy aluminium profile (23,4 x 30,9 mm) with a T-slot mounting rail, available in lengths from 510 mm to 1980 mm.

Multiple transmitter/receiver pairs generate an array of channels operating in diffuse proximity mode over the active zone of the profile. The system generates a discrete output whenever one or more of the channels are activated by emitted light from transmitter element being reflected back to the paired receiver.

The series is available with a 12-30 V dc supply voltage and a solid state

relay output, which has a choice of light or dark operation. Sensitivity is adjustable via an integral potentiometer.

The SGP 30 features a blanking function which is configurable using a control input to memorise the channels which detect an object (activated) during set-up, allowing those channels to be ignored when operation is resumed.

Both the transmitter and receiver detectors are protected against reverse polarity of power supplies, control inputs and output signals. The output is also protected against short circuit and inductive loads.

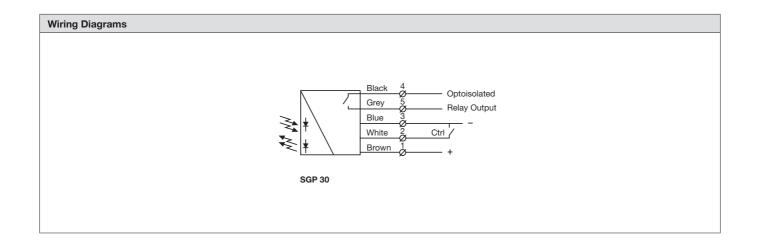
Technical Data		
Supply voltage		12-30 V dc
Current consumption		120 mA (RMS)
Output rating	Solid state	200 mA
Short circuit protected		Yes
Reverse polarity protected		Yes
Light source		Infrared (880 nm)
Opening angle		+/- 10°
Number of proximity channel pairs	<b>3</b>	8, 16, 24, 32, 40
Active length		330, 695, 1065, 1430, 1800
Channel spacing		46 mm
Bottom spacing to channel pair 1		25 mm
Response time		8/16/24 chs: 26 ms 32 chs: 32 ms 40 chs: 38 ms
Power on indicator		Green LED
Output indicator		Yellow LED
System status indicator		Red LED
Blanking function		Configurable
Housing dimensions (w x d)		23,4 x 30,9 mm
Haveing material	Profile	Aluminium (black anodised)
Housing material	Lens Cover	Polycarbonate
Connection Cable, PVC Ø 5,9 mm		0,5 m cable with 5 pin, M12 plug

Environmental Data		
Vibration	10-55 Hz, 0,5 mm	
Shock	30 g	
Light immunity @ 5° incidence	> 100 000 lux	
Temperature, operation	−30 to +60 °C	
Temperature, storage	-40 to +80 °C	
Sealing class	IP 67	
Approvals	((	

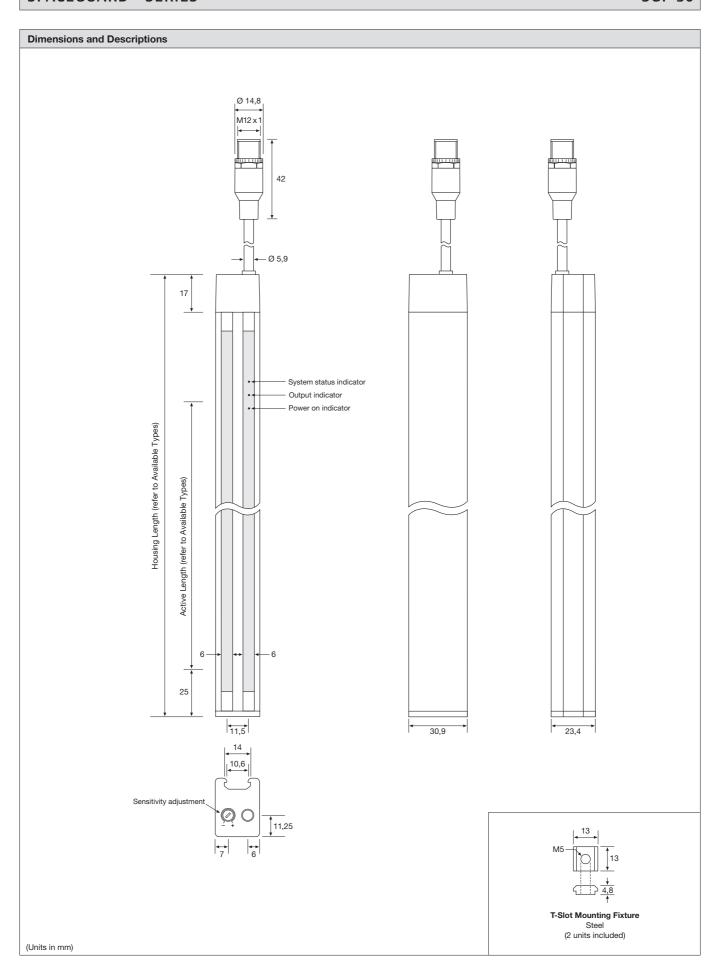


Av	ailable Types	•															
	Housing	Active	Number of	Channel	Conne	ection	0.5 m cable with 5 pin, M12 plug	Range									
	Length	Length	Channels	Spacing	Out	put	Order Reference	Hange									
	510 mm	330 mm	8			NO (LO)	SGP 30-051-008-A1-M-08-0.5-J5										
	510 111111	330 11111	0			NC (DO)	SGP 30-051-008-A1-M-09-0.5-J5										
₹	880 mm	695 mm	16			NO (LO)	SGP 30-088-016-A1-M-08-0.5-J5										
Ë	000 111111	095 11111	16			NC (DO)	SGP 30-088-016-A1-M-09-0.5-J5										
Proximity	1250 mm	1065 mm	24	46 mm	Solid State	NO (LO)	SGP 30-125-024-A1-M-08-0.5-J5	0-1,3 m									
БР	1250 111111		1065 mm	1005 11111	1003 11111	1003 11111	24 46 111111	24	24	46 mm	40 111111	40 111111	40 111111	46 111111	46 mm Relay	NC (DO)	SGP 30-125-024-A1-M-09-0.5-J5
Diffuse	1610 mm	1430 mm	32			NO (LO)	SGP 30-161-032-A1-M-08-0.5-J5										
₫	1610111111	1430 111111	32			NC (DO)	SGP 30-161-032-A1-M-09-0.5-J5										
	1980 mm	1800 mm	40			NO (LO)	SGP 30-198-040-A1-M-08-0.5-J5										
	1900 11111	1000 IIIII	40			NC (DO)	SGP 30-198-040-A1-M-09-0.5-J5										

M12 Plug / Cable Pin 1 / Brown Pin 3 / Blue Pin 2 / White Pin 4 / Black Pin 5 / Grey
Pin 3 / Blue Pin 2 / White Pin 4 / Black Pin 5 / Grey
Pin 2 / White Pin 4 / Black Pin 5 / Grey
Pin 4 / Black Pin 5 / Grey
Pin 5 / Grey
sor Plug Cable Plug Male) (Female)
Male) (Female)  Blue  Black  So  Grey  Brown
V

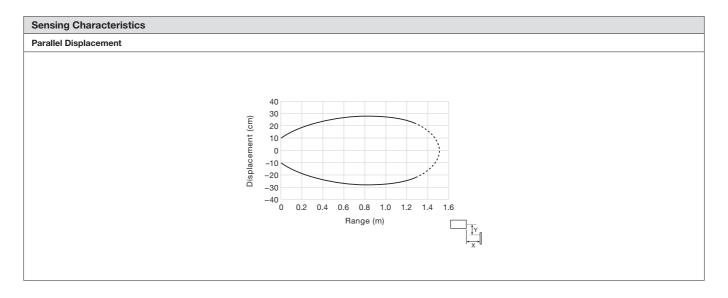


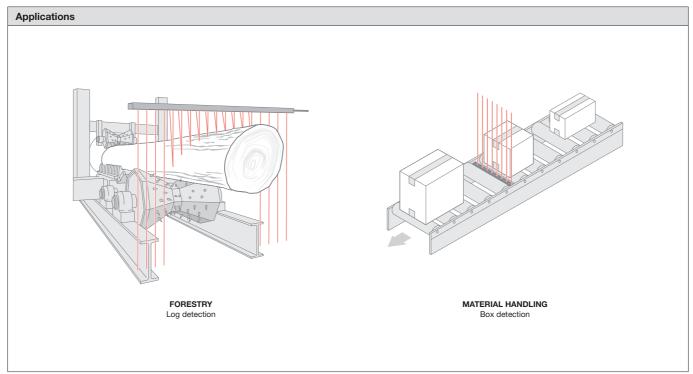






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