



ATELCO

Photo electric sensing systems

Short Form Catalogue



SGE

TELCO

★ TELCO Light Barrier Systems

State-of-the-art - recognized worldwide

TELCO Features

- wide range of applicability
- immune to contamination
- easy alignment
- insensitive to vibration
- short circuit protected
- IP 67 sealing
- ranges up to 35 m
- small physical outline

0 - 6 m, adjustable transmitter

Range, thru beam mode Range, proximity mode

Power supply

Frequency of operation/reaction time

Output

Alarm output

Short circuit protection

Current consumption

Output load Function indicator

Input/output delay

Explosion proof

Ambient temperature

Sealing

Connection cable Connection plug

Housing material

Dimension (w x h x d)

9.5 x 60 x 14 mm

No

Ø 8 mm,3 pins; M 12 x 1 mm, 4 pins

Polycarbonate Ni-plated brass or stainless steel Ø 10 mmx 43/50 mm or M 12 x 1 x 43/50/57 mm

SMTR 3000

NGE

N

< 30

IP

5 m, 3 x 0.

NG.I NG5

Approx. 10% of thru beam

max. 75 Hz/7 msec

PNP or NPN transistor outp

No

LED, in receiver only



				BA gritouerod gree	
5000	SMTR 4000-0-30-Ex	roof sensors LT/LR-G30Ex	Transmitter LT Receiver LR	Ph PA11B	noto ampli P/
9			1400	10000 10000	A Comment of the
on fiber optics	0 - 6 m, adjustable		See relevant photo amplifier	0-15 m with remote senso 0-35 m with remote senso	r types LT/LR or types LT/LR
n fiber optics			See relevant photo amplifier		
		LT: approx. 6 V/4	47Ω ; LR: 8 V/570 Ω , supplied by photo amplifier		
1 kHz	max. 90 Hz	x. 90 Hz See relevant photo amplifier			max. 20 H:
F 175 7				1 relay and PNI	P or NPN tran:
	No			No (available in photo amp	
0			See relevant photo amplifier	No	
	< 30 mA	See relevant photo amplifier		< 60 mA	
			See relevant photo amplifier		Relay,
D	No	See relevant photo amplifier		Supply voltage (green LED), Sens	
			See relevant photo amplifier	No	
	EExd I	I C T6	No		
			- 20 °C to + 55 °C		
65	IP 6	67	IP 67	IP40	
			5 or 15 m, 2 x 0.25 mm ²	1	No
	No		Ø 8 mm,3 pins; M 12 x 1 4 pins	Plug, 11 pins	
			Polycarbonate, Ni-plated brass or stainless steel		
80000000			Ø 10 x 40 mm; M 12 x 1 x 40 mm, 20 x 12 x 35 mm	35 x 76	6 x 78 mm



MPA Multiplexers

fier PA-series

150 x 73 x114 mm

200 x 73 x 118 mm

Polycarbonate (Noryl)

35 x 76 x 78 mm

80 x 160 x 56 mm



Accessories for Transmitters and Receivers

Adaptors for mounting







TR 10 M (For Ø10 mm sensors, mounting; 2xM3)





TR 12 M (For Ø12 mm sensors, mounting: 2xM3)





Relative reflectivity of selected materials

White paper 100%

Printed newspaper 69%

Tissue paper, 1 ply 44%

Kraft paper cardboard 88%

Dimension lumber (clean, dry pine) 94%

*Opaque white plastic 110%

*Opaque black plastic 17%

Black neoprene 5%

Black rubber tire wall 2%

*Aluminium, unfinished 175% *Aluminium, black anodized 144%

*Stainless steel, microfinished 500%

*Stainless steel, brushed 150%

*Note: Glossy surface

Apertures

TRD - Slit filter (For Ø10 mm sensors)







TRE - Hole filter (For Ø10 mm sensors)















TREGM - Hole filter with glass window (M12x1)















TRLM - Lens (M12x1)







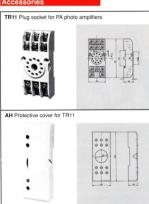
TRWM - 90° - prism (M12x1)

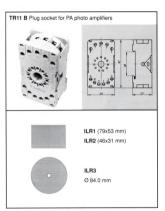






Accessories

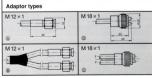












Typical applications Range: 0 - 6 m



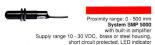


System SMTR 4000 with built-in amplifier Supply range 10 - 30 VDC, steel housing, short circuit protected, LED indicator



Range: 0 - 25 m System SMTR 5000 with built-in amplifier Supply range 10 - 30 VDC, brass or steel housing, short circuit protected, LED indicator, alarm output





Range 0 - 35 m System PA with external photo amplifier,











