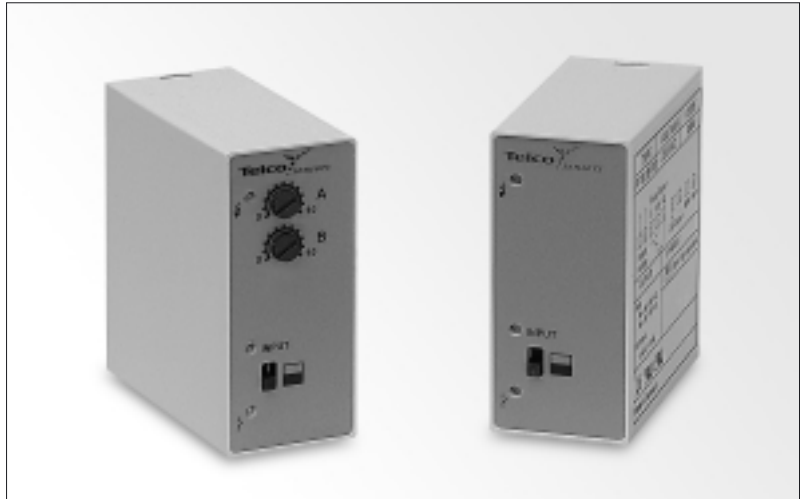


Accessories

Description

- 115 V ac or 230 V ac supply voltage
- 1 relay output
- Adjustable on/off time delay
- Switch selectable light or dark function
- Power, input and output indicators
- 11-pole DIN socket connection



The PP 00 is intended to be used in conjunction with a Spacemaster, SpacePak or SpaceGuard system, where a DC supply voltage is not available and where a relay output is required. This power pack series is supplied with a fixed 15 V dc output voltage, available with or without an adjustable 0-10 sec on/off time delay. Light or dark function is switch selectable.

Technical Data

Supply voltage	115 V ac or 230 V ac
Voltage tolerance	+/- 15%
Current consumption	Max. 4 VA
Relay output	1 open / 1 close 250 V ac / 3A, 120 V ac / 5A
Output voltage	15 V
Output current	175 mA
Power on indicator	Green LED
Input indicator	Green LED
Output indicator	Yellow LED
Housing material	Noryl

Environmental Data

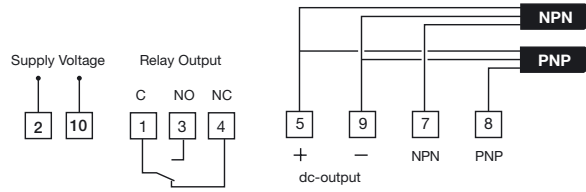
Temperature, operation	-10 to +50 °C
Temperature, storage	-40 to +80 °C
Sealing class	IP 40
Approvals	CE

Available Types

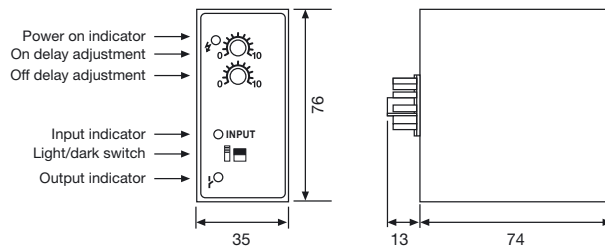
Model	Connection	Supply Voltage		
		115 V ac	230 V ac	
PP 00 A On/Off delay	11-pole DIN socket	Relay	PP 00 A 501	PP 00 A 500
PP 00 B			PP 00 B 501	PP 00 B 500

Note: 11-pole DIN socket to be ordered separately.

Wiring Diagrams

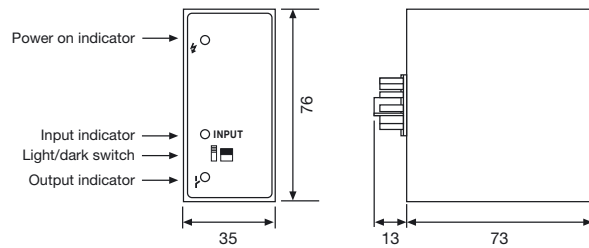


Dimensions and Descriptions



PP 00 A

(Units in mm)



PP 00 B

(Units in mm)

Telco reserves the right to change specifications without notice.

FIBRE OPTICS

Description

- Ideal for use in explosive areas
- Insensitive to electromagnetic and capacitive influence
- High temperature operation
- Various adaptor types
- Bifurcated or individual fibre construction



Technical Data

Cover		Silicone / Stainless Steel
Sheath material		Stainless Steel
Sealing		IP 67
Strand diameter		50 μ m
Bundle diameter		1,0; 2,3; 3,5; 4,0; 4,5 mm
Opening angle		67°
Adaptor Material		Stainless Steel (V2A)
Bending Radius		> 5 x cover diameter
Temperature, Operation	Silicone	-40 to +180 °C
	Stainless Steel	-40 to +300 °C

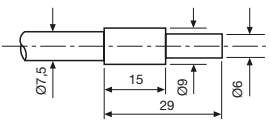
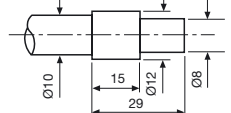
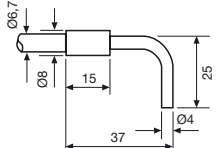
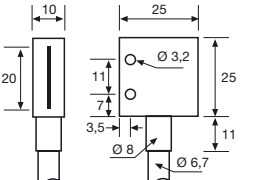
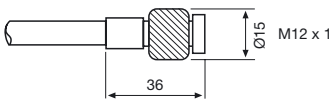
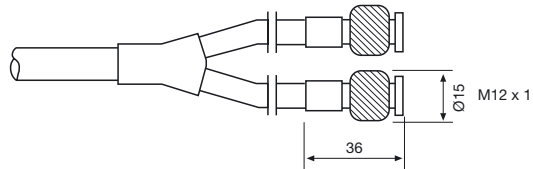
Available types for SMPF 7000 and 8000 Series

Sensing End Tip Dimensions	Active Ø	Adaptor Type	Sensing Mode	Range	Sleeve Material	Silicone	Stainless Steel
					Cable Length	Order Reference	
	1,0 mm	C	Thru Beam	10 cm	0,6 m	LLS 1300	LLM 1300
		D	Diffuse Proximity	0,4 cm		LYS 1301	LYM 1301
	1,0 mm	D	Diffuse Proximity	0,4 cm		LYS 1323	LYM 1323
		C	Thru Beam	60 cm		LLS 1304	LLM 1304
	2,3 mm	D	Diffuse Proximity	2,5 cm		LYS 1305	LYM 1305
		C	Thru Beam	60 cm		LLS 1302	LLM 1302
	2,3 mm	D	Diffuse Proximity	2,5 cm		LYS 1303	LYM 1303
		C	Thru Beam	75 cm		LLS 1310	LLM 1310
	3,5 mm	D	Diffuse Proximity	6 cm		LYS 1307	LYM 1307
		C	Thru Beam	9 cm		LLS 1312	LLM 1312
	1,0 mm	D	Diffuse Proximity	0,3 cm	LYS 1313	LYM 1313	
		C	Thru Beam	55 cm	LLS 1314	LLM 1314	
	2,3 mm	D	Diffuse Proximity	2,5 cm	LYS 1315	LYM 1315	
		C	Thru Beam	45 cm	LLS 1318	LLM 1318	
	2,3 mm	D	Diffuse Proximity	2,5 cm	LYS 1317	LYM 1317	
		C	Thru Beam	50 cm	LLS 1362	LLM 1362	
	0,3 x 20 mm	D	Diffuse Proximity	20 cm	LYS 1371	LYM 1371	
		C	Thru Beam	1,5 m	LLS 1370	LLM 1370	
		C	Thru Beam	50 cm			

Telco reserves the right to change specifications without notice.

FIBRE OPTICS

Available types for Remote Photoelectric Systems

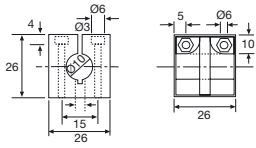
Sensing End Tip Dimensions	Active Ø	Adaptor Type	Sensing Mode	Range	Sleeve Material	Silicone	Stainless Steel
					Cable Length	Order Reference	
 V2A	4,0 mm	A	Thru Beam	8 m	0,5 m	LLS 1306	LLM 1306
				6 m	1,5 m	LLS 1326	LLM 1326
				7 m	1 m	LLS 1308	LLM 1308
 V2A	4,5 mm	B	Diffuse Proximity	0,7 m	0,5 m	LYS 1309	LYM 1309
				0,6 m	1 m	LYS 1311	LYM 1311
 V2A	2,3 mm	A	Thru Beam	2,5 m	1,5 m	LLS 1316	LLM 1316
 Aluminium	0,3 x 20 mm			1,4 m	0,6 m	LLS 1374	LLM 1374
				1,25 m	1 m	LLS 1368	LLM 1368
Adaptor Type A – Individual Fibre Construction				Adaptor Type B – Bifurcated Fibre Construction			
 (Units in mm)				 (Units in mm)			

Note: Range specified using PA 11 amplifier (page 29) in combination with Remote Sensor Series 100 (page 13).

MOUNTING BRACKETS

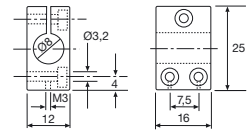
TR 10S

Screw clamp.
Size: Ø 10.
Material: Polycarbonate.



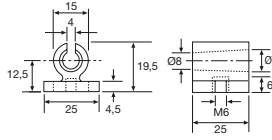
TR 8M

Screw clamp.
Size: Ø 8.
Material: Brass.



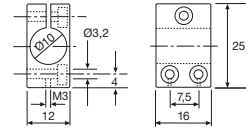
TR 10KB

Mounting clip.
Size: Ø 10.
Material: Polycarbonate.



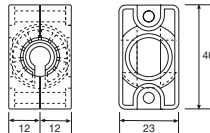
TR 10M

Screw clamp.
Size: Ø 10.
Material: Brass.



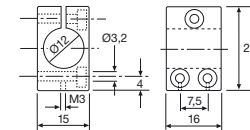
TR 10KG

Mounting Bracket (Swivel).
Size: Ø 10.
Material: Polycarbonate.



TR 12M

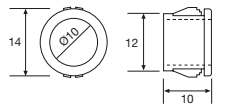
Screw clamp.
Size: Ø 12.
Material: Brass.



(Units in mm)

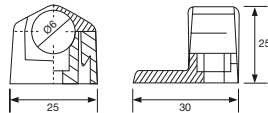
TR 10SB

Snap bushing.
Size: Ø 10.
Material: Polycarbonate.



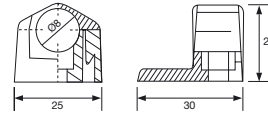
TRN 6

Mounting Bracket.
Size: Ø 6.
Material: Polycarbonate.



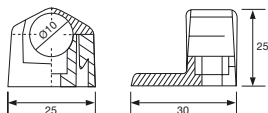
TRN 8

Mounting Bracket.
Size: Ø 8.
Material: Polycarbonate.



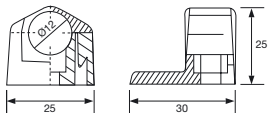
TRN 10

Mounting Bracket.
Size: Ø 10.
Material: Polycarbonate.



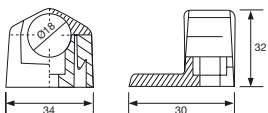
TRN 12

Mounting Bracket.
Size: Ø 12.
Material: Polycarbonate.



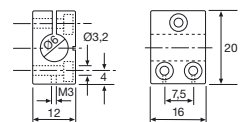
TRN 18

Mounting Bracket.
Size: Ø 18.
Material: Polycarbonate.


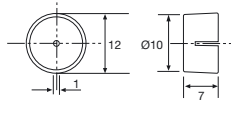

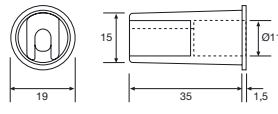

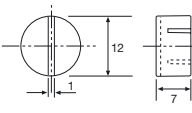

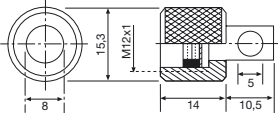

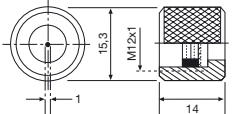

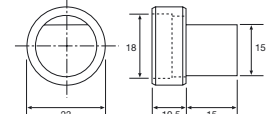

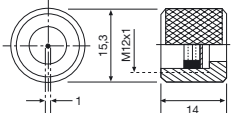

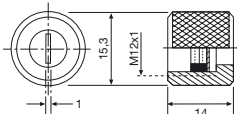

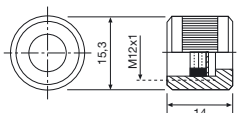

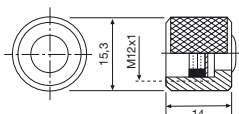

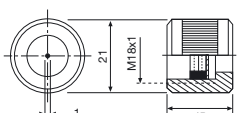

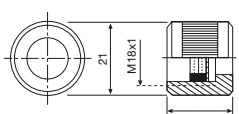

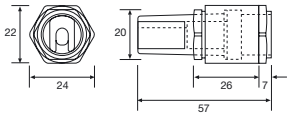


TR 6M

Screw clamp.
Size: Ø 6.
Material: Brass.



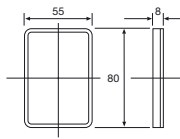
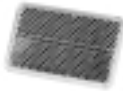
APERTURES

<p>TRE Light shutter with 1 mm hole. Size: Ø 10. Material: Aluminium.</p>			<p>TU 12 Light shutter (tubus). Size: Ø 10. Material: Polycarbonate.</p>		
<p>TRD Light shutter with 1 mm slit. Size: Ø 10. Material: Aluminium.</p>			<p>TRWM 90 90° angle adaptor. Size: M12. Material: Stainless Steel.</p>		
<p>TREM 12 Light shutter with 1 mm hole. Size: M12. Material: Stainless Steel.</p>			<p>FA 18 SO 90° angle adaptor. Size: M18. Material: Polycarbonate.</p>		
(Units in mm)					
<p>TREGM 12 Light shutter with 1 mm hole with protective glass cover. Size: M12. Material: Stainless Steel</p>					
<p>TRDGM 12 Light shutter with 1 mm slot with protective glass cover. Size: M12. Material: Stainless Steel</p>					
<p>TRGM 12 Protective glass cover. Size: M12. Material: Stainless Steel.</p>					
<p>TRLM 12 Lens. Size: M12. Material: Stainless Steel.</p>					
<p>TREGM 18 Light shutter with 1 mm hole with protective glass cover. Size: M18. Material: Stainless Steel</p>					
<p>TRGM 18 Protective glass cover. Size: M18. Material: Stainless Steel.</p>					
<p>TRPG 11 Light shutter (tubus). Size: Ø 10. Material: Stainless Steel.</p>					

REFLECTORS

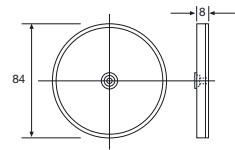
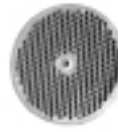
ILR 1

Rectangular reflector.
Size: 55 mm x 80 mm.



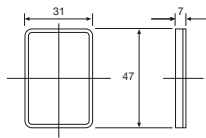
ILR 3

Circular reflector.
Size: Ø 84.



ILR 2


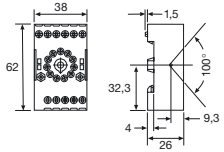
Rectangular reflector.
Size: 47 mm x 31 mm.



(Units in mm)

SOCKETS & CONNECTORS

TR 11
 Plug socket for PA photoelectric amplifiers and PP Power Packs.


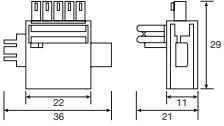



HFS
 Spring holder for TR 11 plug socket.




(Units in mm)

Bus Rail Connector 22.5
 Bus rail connector for PAB photoelectric amplifiers and PPB Power Pack.

CABLES

Description

- Cables for photoelectric sensors
- M8 or M12 connectors
- Straight or right angle connector design
- PUR or PVC sleeve material

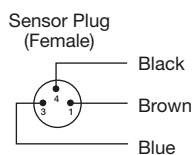


Cables

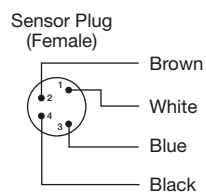
Socket Type/Design		Locking Nut	Sealing Class	Material	Length	Connector				
						3 pin, M8	4 pin, M8	4 pin, M12		
						Order Reference				
Straight		No	IP 67	PVC	5m	ELKA K 3308 PVC5M S	ELKA K 4408 PVC5M S	—		
		Yes				ELKA KV 3308 PVC5M S	ELKA KV 4408 PVC5M S	ELKA KV 4412 PVC5M S		
Right Angle		No				ELWIKA K 3308 PVC5M R	ELWIKA K 4408 PVC5M R	—		
		Yes				ELWIKA KV 3308 PVC5M R	ELWIKA KV 4408 PVC5M R	ELWIKA KV 4412 PVC5M R		
Straight		No				PUR	5m	ELKA K 3308 PUR5M S	ELKA K 4408 PUR5M S	—
		Yes						ELKA KV 3308 PUR5M S	ELKA KV 4408 PUR5M S	ELKA KV 4412 PUR5M S
Right Angle		No						ELWIKA K 3308 PUR5M R	ELWIKA K 4408 PUR5M R	—
		Yes						ELWIKA KV 3308 PUR5M R	ELWIKA KV 4408 PUR5M R	ELWIKA KV 4412 PUR5M R

Connections

3 pin, M8



4 pin, M8



4 pin, M12

