

**Description**

- Operation mode and max sensing range:  
**Thru-beam: 0-60 m**  
**Diffuse proximity: 0-4 m**
- 230 V ac, 115 V ac, 24 V ac or 24 V dc supply voltage
- Manual sensitivity adjustment
- 1 relay or 1 transistor output
- Switch selectable light or dark function
- Switch selectable long or short range
- Power and output indicators
- 11-pole DIN socket connection



The PA 10 is a 1-channel photoelectric amplifier. The PA 10 A is to be used in conjunction with a remote transmitter LT and receiver LR from series 101, whilst the PA 10 B is intended for use with series 100, 110, and 120.

This amplifier series offers manual sensitivity adjustment via an integral potentiometer located on the front panel of the amplifier. Output can be selected from either a relay or an NPN/PNP transistor output. Light or dark function and long or short range are switch selectable.

Technical Data		
Supply voltage		24 V dc, 24 V ac, 115 V ac or 230 V ac
Voltage tolerance		+/- 15 %
Current consumption		Max. 3,2 VA
Output	Relay	1 open / 1 close, 250 V ac / 3 A, 120 V ac / 5 A
	Transistor	40 mA / 30 V dc
Alarm output		-
Power on indicator		Green LED
Output indicator		Red LED
Signal level indicator		-
LR receiver failure indicator		-
LT transmitter failure indicator		-
Sensor monitor LED drive		-
Hysteresis		Approx. 40 %
Operation frequency	Relay	10 Hz
	Transistor	12 Hz
Response time $t_{ON} / t_{OFF}$	Relay	50 ms / 50 ms
	Transistor	40 ms / 40 ms
Delay $t_{ON} / t_{OFF}$		-
Housing material		Polycarbonate

Environmental Data		
Temperature, operation		-10 to +50 °C
Temperature, storage		-40 to +80 °C
Sealing class		IP 40
Approvals		CE UK CA c PA US

Available Types

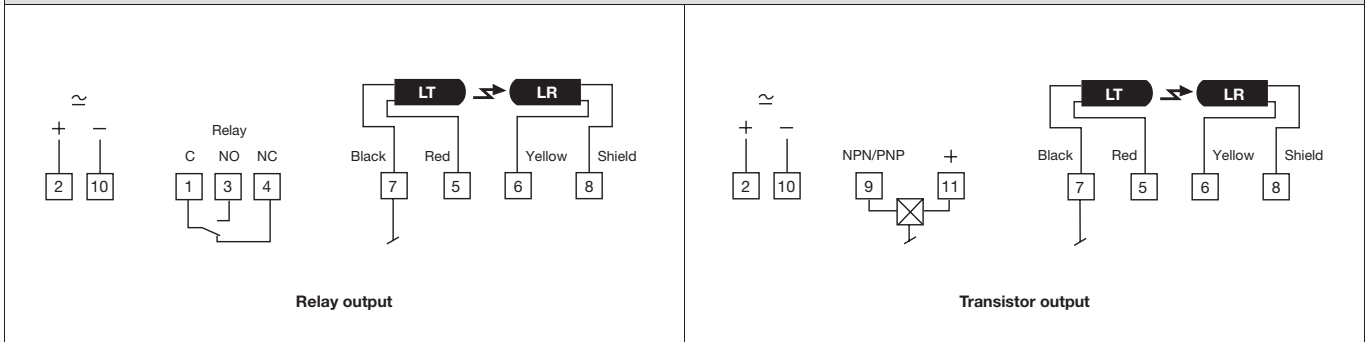
Model	Connection	Time Delay	Supply Voltage	24 V dc	24 V ac	115 V ac	230 V ac
			Output	Order Reference			
PA 10 A	11-pole DIN socket	-	Relay	PA 10 A 513	PA 10 A 512	PA 10 A 511	PA 10 A 510
			NPN and PNP	PA 10 A 613	PA 10 A 612	PA 10 A 611	PA 10 A 610
-		Relay	PA 10 B 513	PA 10 B 512	PA 10 B 511	PA 10 B 510	
		NPN and PNP	PA 10 B 613	PA 10 B 612	PA 10 B 611	PA 10 B 610	

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

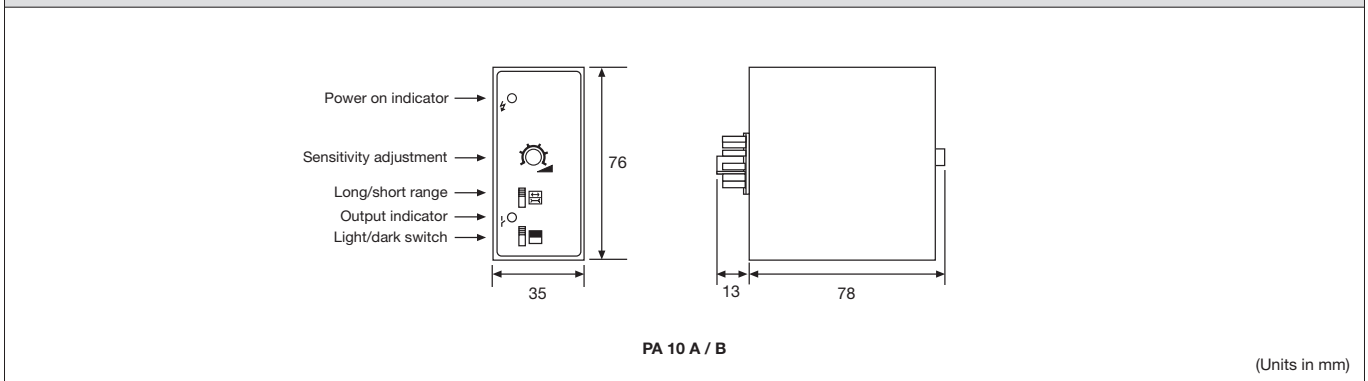
Applicable Remote Sensors and Ranges

Series	Thru-beam	Diffuse Proximity
101 (only PA 10 A)	11 m	0,9 m
100 (only PA 10 B)	15 m	1,1 m
110 (only PA 10 B)	35 m	2,0 m
120 (only PA 10 B)	60 m	4,0 m

Wiring Diagrams



Dimensions and Descriptions



Telco reserves the right to change specifications without notice.