

Description
<ul style="list-style-type: none"> ■ 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.

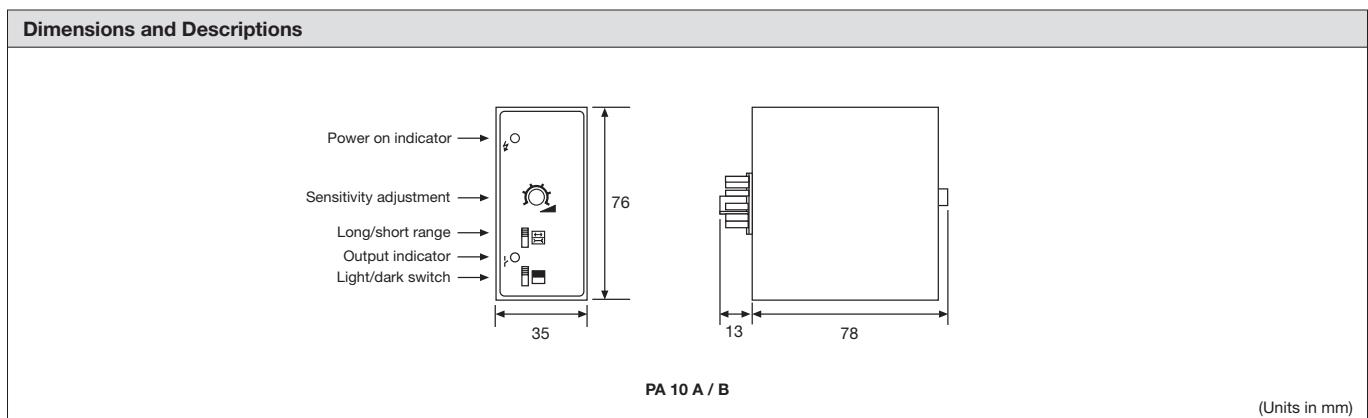
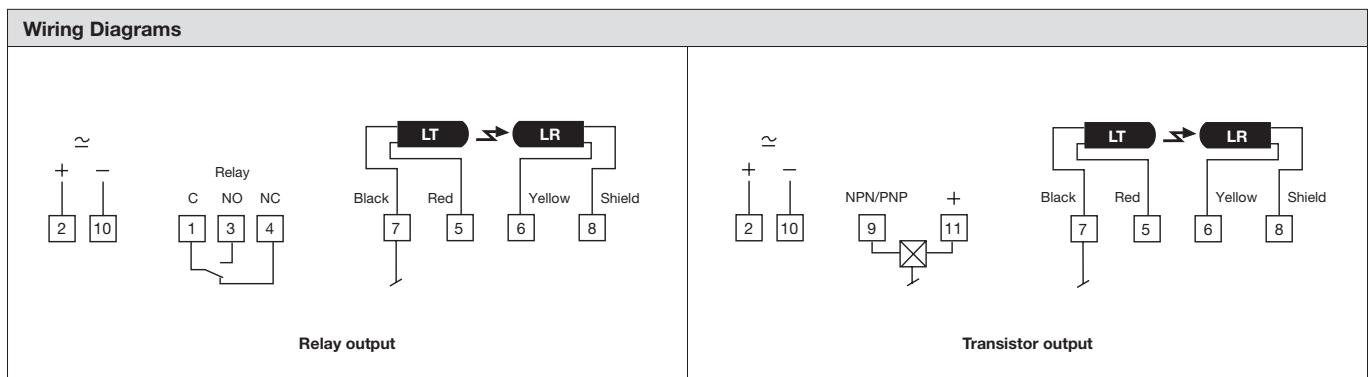
Technical Data					
Supply voltage	24 V dc, 24 V ac, 115 V ac or 230 V ac				
Voltage tolerance	+/- 15 %				
Current consumption	Max. 3,2 VA				
Output	<table> <tr> <td>Relay</td><td>1 open / 1 close, 250 V ac / 3 A, 120 V ac / 5 A</td></tr> <tr> <td>Transistor</td><td>40 mA / 30 V dc</td></tr> </table>	Relay	1 open / 1 close, 250 V ac / 3 A, 120 V ac / 5 A	Transistor	40 mA / 30 V dc
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 sensor failure indicator	-				
LT sensor failure indicator	-				
Sensor monitor LED drive	-				
Hysteresis	Approx. 40 %				
Operation frequency	<table> <tr> <td>Relay</td><td>10 Hz</td></tr> <tr> <td>Transistor</td><td>12 Hz</td></tr> </table>	Relay	10 Hz	Transistor	12 Hz
Relay	10 Hz				
Transistor	12 Hz				
Response time t_{ON} / t_{OFF}	<table> <tr> <td>Relay</td><td>50 ms / 50 ms</td></tr> <tr> <td>Transistor</td><td>40 ms / 40 ms</td></tr> </table>	Relay	50 ms / 50 ms	Transistor	40 ms / 40 ms
Relay	50 ms / 50 ms				
Transistor	40 ms / 40 ms				
Delay t_{ON} / t_{OFF}	-				
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	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
PA 10 B	11-pole DIN socket	-	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



Telco reserves the right to change specifications without notice.