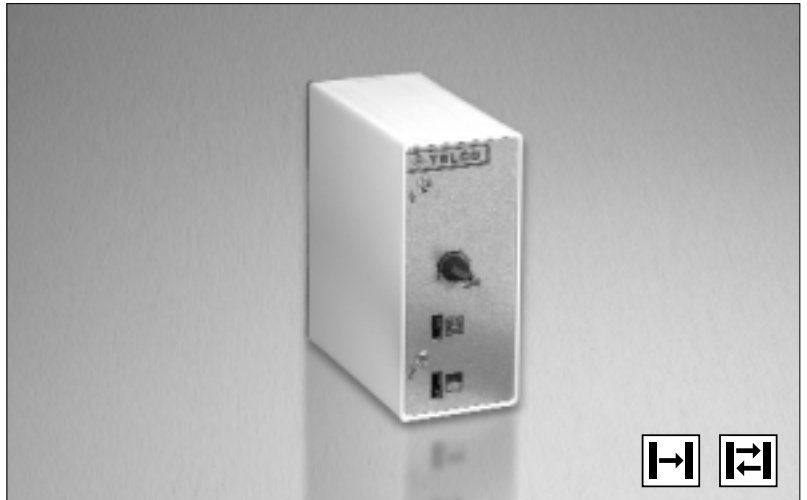


**Description**

- 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 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 %
Power consumption	Max. 3,2 VA
Output	Relay Transistor
	1 open / 1 close, 250 V ac / 3 A, 120 V ac / 5 A
	40 mA / 30 V dc
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	10 Hz
Response time $t_{ON}$ / $t_{OFF}$	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**

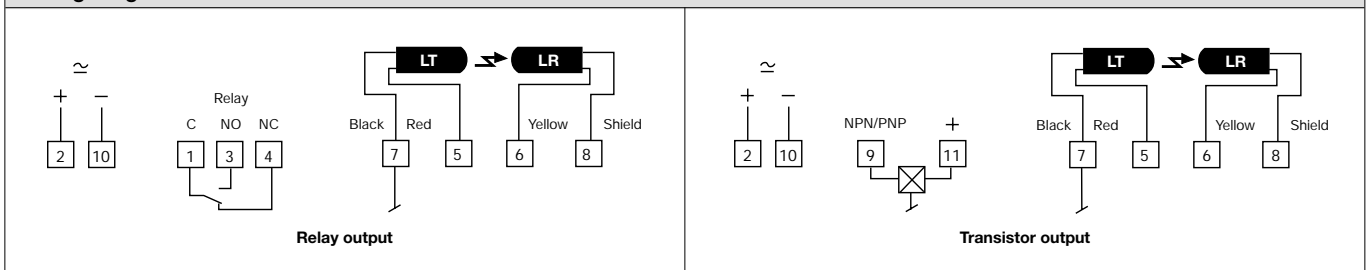
Model	Connection	Supply Voltage	24 V dc	24 V ac	115 V ac	230 V ac
		Output	Order Reference			
<b>PA 10 A</b>	11-pole DIN socket	Relay	<b>PA 10 A 513</b>	<b>PA 10 A 512</b>	<b>PA 10 A 511</b>	<b>PA 10 A 510</b>
		NPN and PNP	<b>PA 10 A 613</b>	<b>PA 10 A 612</b>	<b>PA 10 A 611</b>	<b>PA 10 A 610</b>
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

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

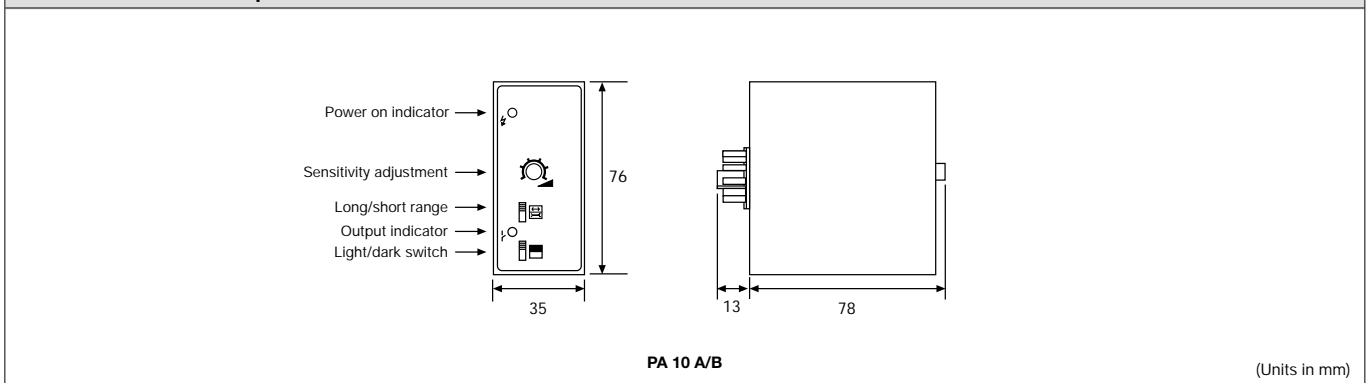
**Applicable Remote Sensors and Ranges**

Series	Thru Beam	Diffuse Proximity
<b>101 (only PA 10 A)</b>	11 m	90 cm
<b>100 (only PA 10 B)</b>	15 m	1,1 m
<b>110 (only PA 10 B)</b>	35 m	2 m
<b>120 (only PA 10 B)</b>	60 m	4 m

**Wiring Diagrams**



**Dimensions and Descriptions**



Telco reserves the right to change specifications without notice.