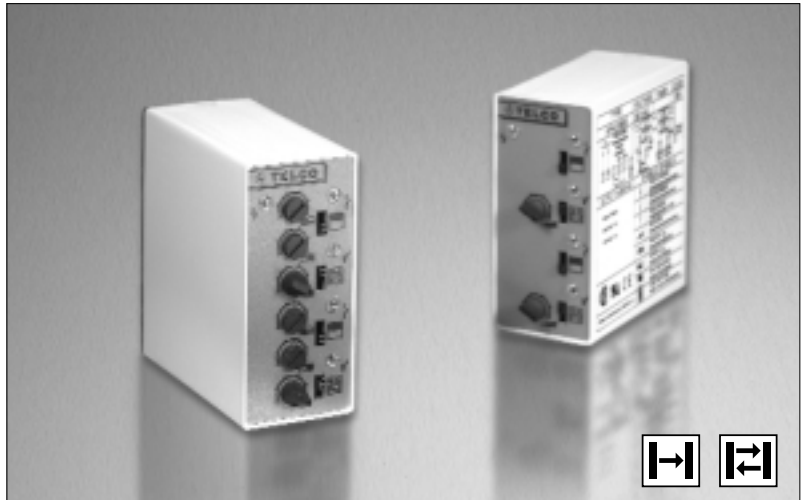


Description

- Operation mode and max sensing range:
Thru beam: 0-45 m
Diffuse proximity: 0-3,5 m
- 230 V ac, 115 V ac, 24 V ac or 24 V dc supply voltage
- Manual sensitivity adjustment
- Adjustable on/off time delay
- 2 relays or 2 transistor outputs
- Power, output and signal level indicators
- Switch selectable light or dark function
- Switch selectable long or short range
- 11-pole DIN socket connection



The MPA 21 is to be used in conjunction with 2 sets of remote transmitters LT and receivers LR, from the series 100, 110 and 120.

The 2 channels operate independently of each other with their own set of remote transmitter and receiver. The multiplexing function ensures that optical cross talk between channels is prevented.

The series offers a choice between 2 individual relays or 2 individual

NPN/PNP transistor outputs, with or without an adjustable 0-3 sec on/off time delay.

This amplifier series offers manual sensitivity adjustment for each individual channel via integral potentiometers located on the front panel of the amplifier. Light or dark function and long or short range is switch selectable for each individual channel.

Technical Data	
Supply voltage	24 V dc, 24 V ac, 115 V ac or 230 V ac
Voltage tolerance	+/- 15 %
Power consumption	Max. 3 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	Green LED
LR sensor failure indicator	-
LT sensor failure indicator	-
Sensor monitor LED drive	-
Hysteresis	Approx. 35 %
Operation frequency	MPA 21 A MPA 21 B
	9 Hz 11 Hz
Response time t_{ON} / t_{OFF}	MPA 21 A MPA 21 B
	55 ms / 55 ms 45 ms / 45 ms
Delay t_{ON} / t_{OFF}	MPA 21 A
	0 - 3 sec
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

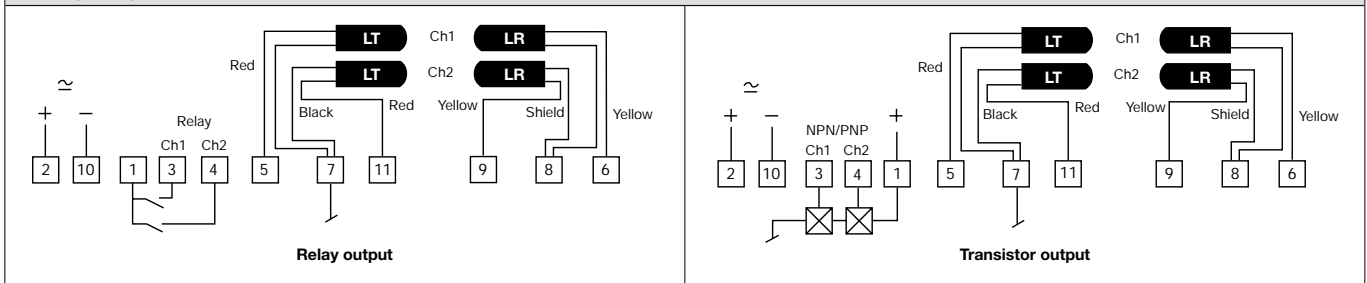
Model	Connection	Supply Voltage	24 V dc	24 V ac	115 V ac	230 V ac
		Output	Order Reference			
MPA 21 A On/Off delay	11-pole DIN socket	2 individual relays	MPA 21 A 503	MPA 21 A 502	MPA 21 A 501	MPA 21 A 500
		2 individual NPN/PNP	MPA 21 A 603	MPA 21 A 602	MPA 21 A 601	MPA 21 A 600
MPA 21 B		2 individual relays	MPA 21 B 503	MPA 21 B 502	MPA 21 B 501	MPA 21 B 500
		2 individual NPN/PNP	MPA 21 B 603	MPA 21 B 602	MPA 21 B 601	MPA 21 B 600

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

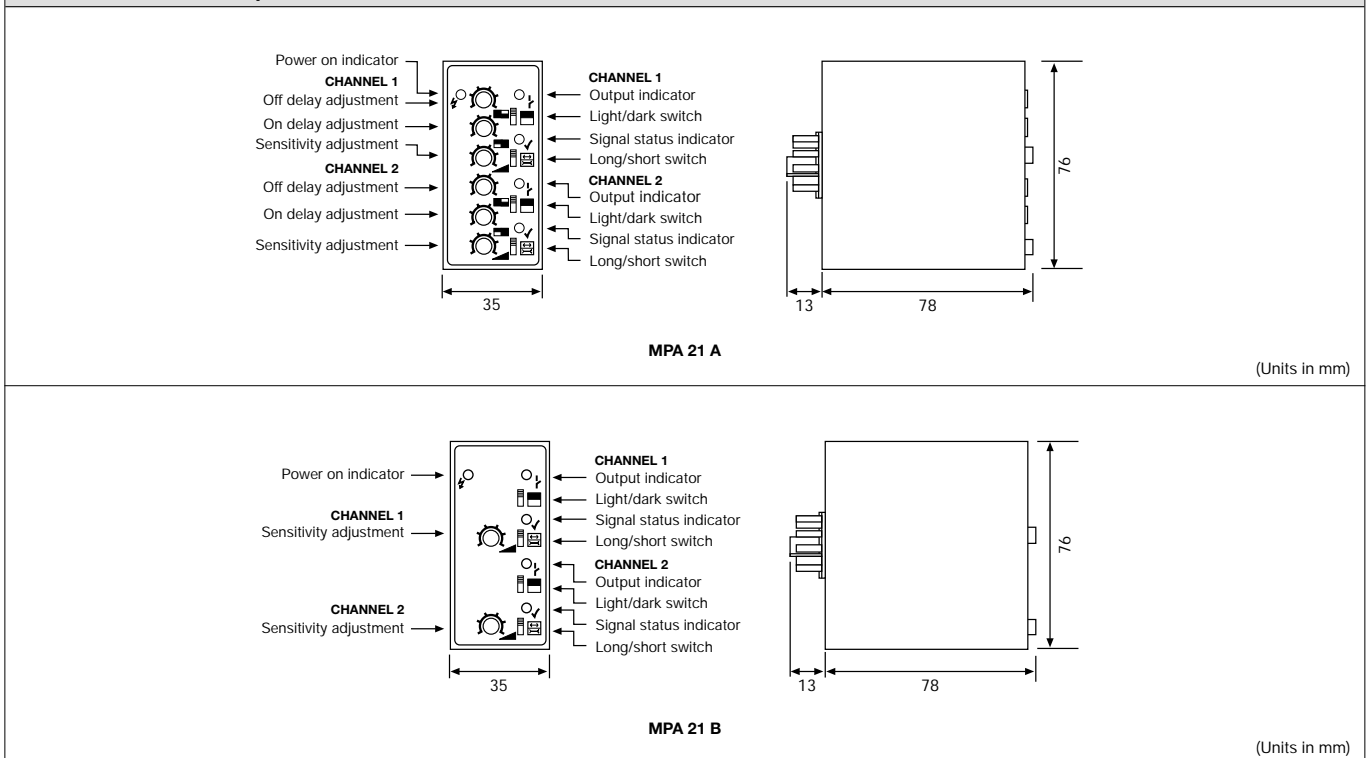
Applicable Remote Sensors and Ranges

Series	Thru Beam	Diffuse Proximity
100	10 m	75 cm
110	25 m	1,6 m
120	45 m	3,5 m

Wiring Diagrams



Dimensions and Descriptions



Telco reserves the right to change specifications without notice.