



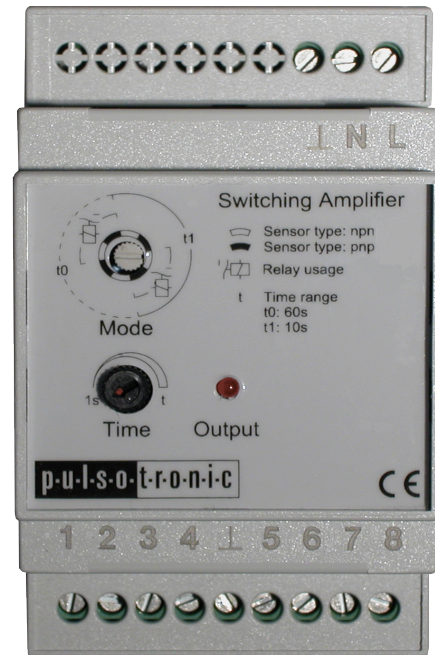
p-u-l-s-o-t-r-o-n-i-c

Subject to change without notice!
Rev. 0901

Control unit for ring sensors

Application

The control unit for ring sensors can be operated with all detectors of the KJR series. It not only serves for evaluating the ring sensors' signals but also realises the voltage supply for the sensor. It is designed specially for mounting on a 35 mm top hat rail. The device additionally can be operated with all switching sensors and with 24 V operating voltage.



Control unit for ring sensors

Function

If the connected sensor excites a signal, it will be collected and lengthened on the adjusted period by the control unit. When during that time another signal is excited, it will be lengthened on the adjusted period again. After that the signal is output via a relay and a transistor output. The active switching state is indicated by an LED. The device can be operated with 24V direct current or alternatively with line voltage. All outputs provide short circuit protection as well as overload protection. All voltage inputs are protected against reverse polarity.

Handling

The period for a switching pulse is adjusted via a potentiometer. For a more exact adjustment the user chooses among two time ranges. The adjustment of the time domain is effected via a rotary coding switch. Via this switch the user also defines if the relay shall be activated or if the connected sensor is NPN or PNP switching. Changeover sensors don't need an adjustment for NPN or PNP.



Control unit for ring sensors

Type	Control unit for ring sensors 230 VAC / 24 VDC	Control unit for ring sensors 115 VAC / 24 VDC
Mechanical data		
Dimension	L x B x H: 90 x 53 x 58 mm	
Weigth	290 g	
Mounting	35 mm - top hat rail	
Electrical data		
Supply voltage	230 V; 50/60 Hz bzw. 24 VDC	115 V; 50/60 Hz bzw. 24 VDC
Supply for sensor	24 VDC; max. 80 mA (overload and short-circuit proof)	
Low power output	1 x low-side/open-collector; 1 x high-side/open-collector; 20 mA; (overload and short-circuit proof)	
Relay output	1 x change-over contact; max 250 VAC, 5 A	
Pulse duration	0,01 .. 0,6 / 0,1 .. 60 s (adjustable)	
Conditions of use		
Storage temperature	-10°C .. 60°C	
Operating temperature	-10°C .. 50°C	
Protection class	IP20	
Order information		
Order number	08349005011	08349005013
Cable set for sensors	2 m	5 m
with plug M12	44505125310	44505125312
with plug Euchner	44505120200	44505120202

