

# TR

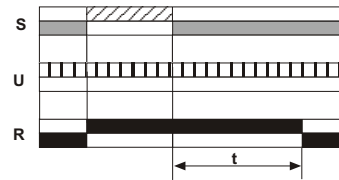
## overview

- ◆ single or dual supply voltage options
- ◆ SPCO or DPCO output relay
- ◆ 6 selectable time ranges
- ◆ LED indicators for power supply and contact
- ◆ 22.5mm DIN rail mount housing or 11pin plug in housing



### Off delay

- Starting contact S on B1 closed  
Starting contact S on B1 open
- Supply voltage(U) on  
Supply voltage(U) off
- Output relay contact closed  
Output relay contact open

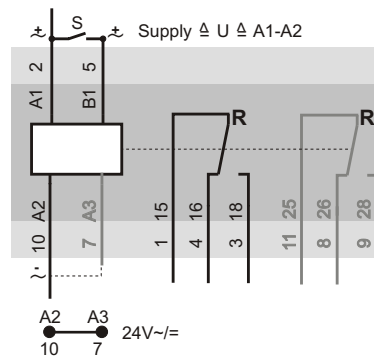


Remove supply voltage before making any changes to either time range or timing function.

### Time ranges

- 0,1s-1,0s
- 1,0s-10s
- 0,1min-1,0min
- 1,0min-10min
- 0,1h-1,0h
- 1,0h-10h

The required delay time within the range selected is set using the potentiometer on the front plate



## specification

<b>supply voltage variation</b>	nominal voltage +10% / -15%	
<b>frequency range</b>	48 - 63 Hz	
<b>max. delay time</b>	100%	
<b>repeat accuracy</b>	< 1% of the selected range	
<b>relay type</b>	1	2
<b>output relay spec</b>	230V~	6A 10A
le AC-15*	120V~	4A 5A
le AC-15*	240V~	3A 4A
le DC-13*	24V=	2A 4A
<b>expected life time</b>	DPCO	SPCO
mechanical	2 x 10 <sup>6</sup>	1 x 10 <sup>7</sup>
electrical	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
<b>operating conditions</b>	-20 to +60 °C non condensing	

\* EN 60947-5-1 VDE 0435

## ordering information

part no	supply	output	relay type	HIQUEL <sup>®</sup>	housing type
TR01	230V~/24V~=	6VA / 1W	DPCO	1	yes B
TR04	115V~/24V~=	6VA / 1W	DPCO	1	yes B
TR12	230V~	6VA	SPCO	2	yes A
TR13	24V~=	1W	SPCO	2	yes A
TR15	115V~	6VA	SPCO	2	yes A
TR41	230V~ / 24V~=	6VA / 1W	DPCO	1	no G
TR42	230V~ / 24V~=	6VA / 1W	SPCO	1	no G
TR71	230V~ w. transf.	2VA	DPCO	1	no G
TR72	230V~ w. transf.	2VA	SPCO	1	no G

other voltages on request

off delay

