



TE/DER

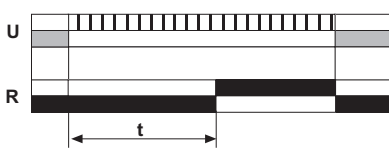
overview



- ◆ single or dual supply voltage options
- ◆ SPCO or DPCO output relay
- ◆ 8 selectable time ranges (0,1sec-100hrs)
- ◆ LED indicators for power supply and contact
- ◆ 22.5mm DIN rail mount housing or 11pin plug in housing

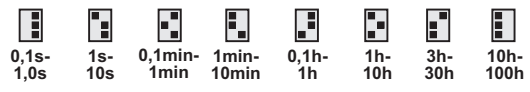
On delay

Supply voltage on
 Supply voltage off
 Output relay contact closed
 Output relay contact open

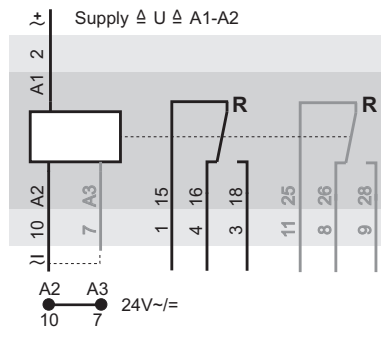


On the application of the supply voltage, time delay **t** commences. At the end of the time delay the output relay pulls in. When the supply voltage is removed the output relay drops out and the time relay resets ready for the next timing cycle. If the supply voltage is removed during time **t**, the output relay will drop out, the unexpired time will be cancelled and the time relay will reset.

Time ranges



The time ranges are selected using the DIP switch settings illustrated left, and the required delay time is set using the potentiometer on the front plate.



specification

supply voltage variation	TE7x -15..+10%; rest -20..+10%		
frequency range	48 - 63 Hz		
max. delay time	100%		
repeat accuracy	< 1% of the selected range		
output spec. (EN60947-5-1)			
relay type	1	2	3
I_e AC-15 230V~	1,5A	1,5A	2,5A
I_e AC-15 115V~	1,5A	1,5A	2,5A
I_e DC-13 24V=	1,5A	1,5A	2,5A
I_{th} @+20°C, detached	8A	10A	10A
I_{th} @+60°C, attached	5A	5A	5A
expected life time			
mechanical operations	1×10^7	1×10^7	1×10^7
electrical operations	8×10^4	1×10^5	15×10^4
screws	pozidriv 1, slot 4mm		
screw tightening torque	0,4Nm		
operating conditions	-20 bis +60°C non condensing		

ordering information

part no	supply	output	relay type	HIQUEL	housing types
TE01+	230V~ / 24V~=	6VA / 1W	DPCO	1	B
TE04+	115V~ / 24V~=	6VA / 1W	DPCO	1	B
DER230+	230V~ / 24V~=	6VA / 1W	SPCO	3	A
DER115+	115V~ / 24V~=	6VA / 1W	SPCO	3	A
TE08	12V~=	0,7W	SPCO	2	A
TE12+	230V~	6VA	SPCO	2	A
TE13+	24V~=	1W	SPCO	2	A
TE15+	115V~	6VA	SPCO	2	A
TE41	230V~ / 24V~=	6VA / 1W	DPCO	1	G
TE42	230V~ / 24V~=	6VA / 1W	SPCO	1	G
TE71	230V~ w. transf.	2VA	DPCO	1	G
TE72	230V~ w. transf.	2VA	SPCO	1	G

other voltages on request