TE/DER

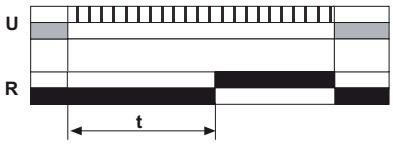
overview



- 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

On delay

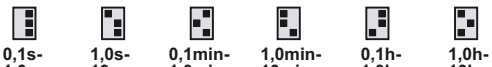
Supply voltage on
Supply voltage off
Output relay contact closed
Output relay contact open



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

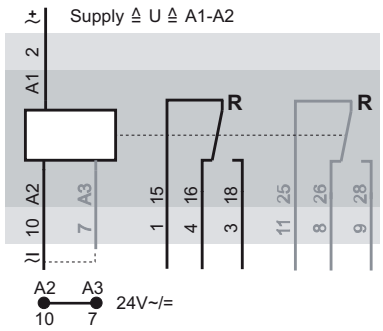
On the application of the supply voltage, time delay ***t*** commences. At the end of the time delay the output relay pulls in. When the supply voltage is removed the output relay drops out and the time relay resets ready for the next timing cycle.
If the supply voltage ist removed during time ***t***,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

Time ranges



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

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		nominal voltage +10% / -15%	
frequency range		48 - 63 Hz	
max. delay time		100%	
repeat accuracy		< 1% of the selected range	
relay type		1	2
output relay spec	230V~	6A	10A
Ie AC-15*	120V~	4A	5A
Ie AC-15*	240V~	3A	4A
Ie DC-13*	24V=	2A	4A
expected life time		DPCO	SPCO
mechanical		2×10^6 resp.	1×10^7 operations
electrical		1×10^5 resp.	1×10^5 operations
screws		pozidrive 1	
screw tightening torque		0,6..0,8Nm	
operating conditions		-20 to +60°C non condensing	

* EN 60947-5-1 VDE 0435

ordering information

part no	supply		output	relay type	cULus	housing types
TE01	230V~ / 24V~=	6VA / 1W	DPCO	1	yes	B
TE04	115V~ / 24V~=	6VA / 1W	DPCO	1	yes	B
DER230	230V~ / 24V~=	6VA / 1W	SPCO	2	yes	A
DER115	115V~ / 24V~=	6VA / 1W	SPCO	2	yes	A
TE12	230V~	6VA	SPCO	2	yes	A
TE13	24V~=	1W	SPCO	2	yes	A
TE15	115V~	6VA	SPCO	2	yes	A
TE41	230V~ / 24V~=	6VA / 1W	DPCO	1	no	G
TE42	230V~ / 24V~=	6VA / 1W	SPCO	1	no	G
TE71	230V~ w. transf.	2VA	DPCO	1	no	G

other voltages on request

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