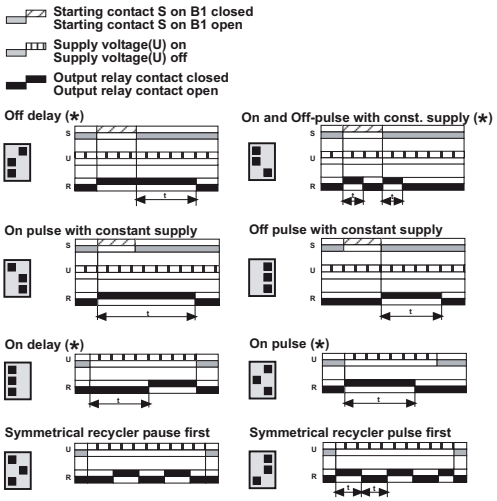
TM

overview

- **single, dual, multi & zoom supply voltage options**
- **8 timing functions selected by DIP switch**
- **SPCO or DPCO output relay**
- **6 selectable time ranges 0.1sec - 10 Hrs**
- **LED indicators for power supply and relay status**
- **22.5mm DIN rail mount housing or 11pin plug in housing**



Multifunction



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

(*) available T3F functions

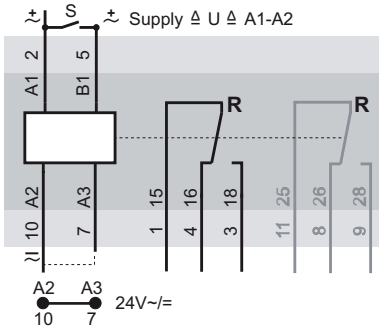
A detailed description of each of the timing functions will be found on the following 'single function' type pages.

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

supply voltage variation		nominal voltage +10% / -15%		
		TM16 +10% / -10%		
		TM20,TM21,TM81,TM82 +5% / -10%		
supply selection		TM16/T3F selectable by a switch		
frequency range		48 - 63 Hz		
duty cycle		100%		
repeat accuracy		< 1% of the selected range		
relay type		1	2	3
output relay spec	230V~	6A	12A	10A
Ie AC-15*	120V~	4A	2,5A	5A
Ie AC-15*	240V~	3A	2,5A	4A
Ie DC-13*	24V=	2A	2,0A	4A
expected life time		DPCO	SPCO	
mechanical		2 x 10^6	resp. 1 x 10^7	operations
electrical		1 x 10^5	resp. 1 x 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 type
TM01	230V~ / 24V~=	6VA / 1VA	DPCO	1	yes	B
TM16	115 - 230V~ / 24V~=	6VA / 1VA	SPCO	2	yes	A
TM20	24 - 240V~=	2VA	SPCO	3	yes	A
TM21	24 - 240V~=	2VA	DPCO	1	yes	B
TM41	230V~ / 24V~=	6VA / 1VA	DPCO	1	no	G
TM42	230V~ / 24V~=	6VA / 1VA	SPCO	1	no	G
TM71	230V~ w. transformer	1,5VA	DPCO	1	no	G
TM72	230V~ w. transformer	1,5VA	SPCO	1	no	G
TM81	24 - 240 V~=	2VA	DPCO	1	no	G
TM82	24 - 240 V~=	2VA	SPCO	1	no	G
T3F*	115 - 230V~ / 24V~=	6VA / 1VA	SPCO	2	yes	A

other voltages on request

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