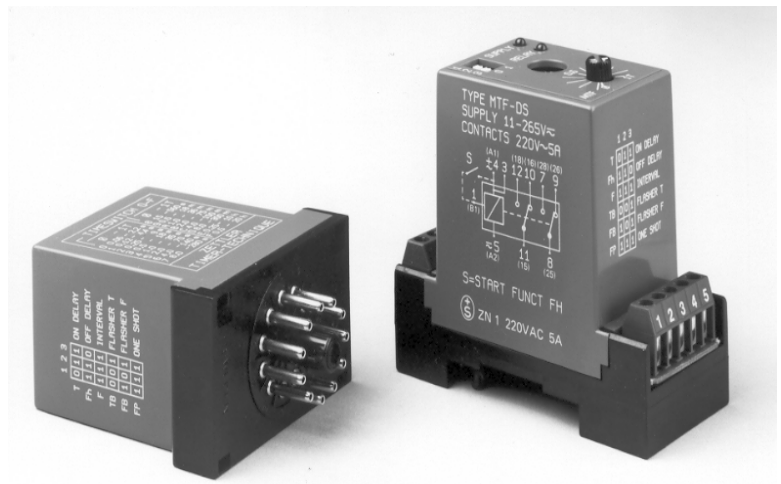


Universal ZETTLER Timer type MTF - DS and MTF - P

The ZETTLER Unitimer provides the solution to timing problems in a single unit.

The timer operates from 11 - 265 vac or vdc and provides timing functions which include delay-on, delay-off, interval, flash and one shot.

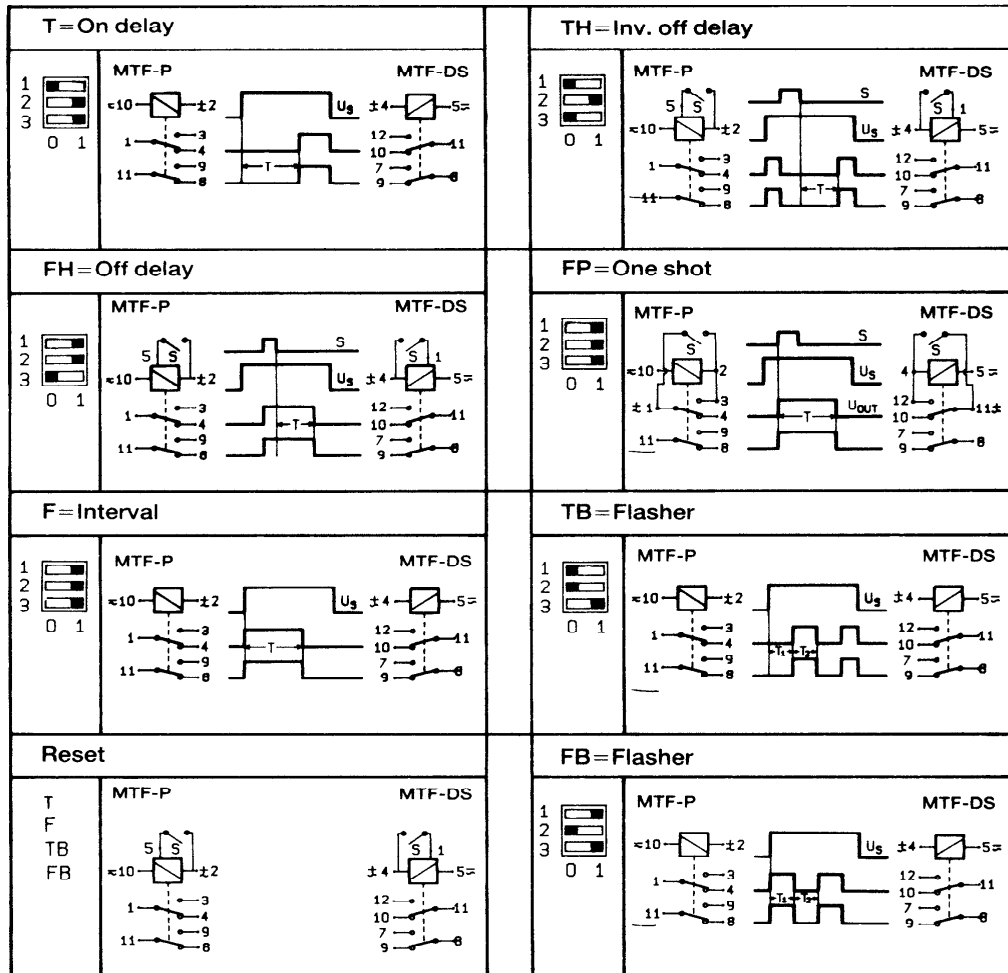
Built into the timer are 16 time ranges, from 0,06 seconds to 20 hours, supply and relay status indicators and volt free contacts configured as 2-pole changeover each rated at 230 vac, 5 Amps resistive load.



General data				
MTF-P				MTF-DS
Is designed for plug in mounting to any 11 pin relay socket	88 mm	max height appr	64 mm	Is designed for direct DIN-rail (snap on) mounting, with screw terminations for wire size of 2,5 mm maximum
	37 mm	width appr	34 mm	
	60 mm	length appr	72 mm	
	R11 or ES11	socket	Including	
	75 ms	reset speed	75 ms	
	2 va	power consum.	2 va	
	500513	ordering code	500512	
<p>The UNI-Timer is extremely versatile, easy to apply and offers cost savings by utilising one unit for many applications such as: in design, current production or maintenance and service applications.</p>				

UNI-TIMER Type MTF-P, MTF-DS

Functions, setting, wire-connection



timeranges			
0	0,06- 2,2s	8	15s- 9 m
1	0,12- 4,4s	9	30s-18 m
2	0,25- 9 s	A	60s-36 m
3	0,5 - 18 s	B	125s-75 m
4	1,0 - 35 s	C	250s- 2,5h
5	2,0 - 70 s	D	500s- 5 h
6	4,0 -140 s	E	16m-10 h
7	8,0 -280 s	F	32m-20 h

Technical Data	
Operating Voltage	:11-265 Vac, dc
Contacts	:2x5A/220 Vac
Temperature	: -20°C...+50°C
Rated input	:2VA
Repeat-accuracy	:0,5%

Time ranges

The required time range (see table above) is selected by the rotary switch set into the centre of the front panel, using a small screwdriver. The time required within the selected range is set using the potentiometer 0 – 1 T.

Functions

T=On delay	Upon application of control power, time delay period begins. At end of time delay, relay contacts switch. When control power is removed relay contacts return to normal. Control power must be interrupted in order to recycle.	TH=Inv. Off delay	Upon application of control power, relay contacts switch. Upon closure of control switch, relay contacts return to normal. Upon opening of control switch, time delay period begins. At the end of time delay period, relay contacts switch again. However any control switch closure prior to the end of the delay time period, will immediately reset the timer.
FH=Off delay	Upon closure of control switch, relay contacts switch. Upon opening of control switch, time delay period begins. However, any control switch closure prior to the end of the time delay period will immediately reset the timer. At the end of time delay period, relay contacts return to normal. Continuous power must be supplied to this timer.	FP=One shot	Upon closure of control switch, relay contacts switch, and time delay period begins, the time delay period is not affected by duration of the control switch closure. At the end of time delay period relay contacts return to normal. Continuous power must be supplied to this timer.
F=Interval	Upon application of control power, relay contacts switch. At end of time delay period, relay contacts return to normal. Control power must be interrupted in order to recycle.	TB=Flasher	Upon application of control power, delay period T1 begins. At the end of delay period relay contacts switch and period T2 begins. When T2 ends relay contacts return to normal and T1 begins again. This sequence is repeated until control power is removed. T1=T2.
Reset	Closure of the control switch during time delay period. T1 will reset the time delay but not switch relay contacts. Closure of control switch after the end of time period T1 will switch relay contacts. Upon opening of control switch time delay period T1 begins again.	FB=Flasher	Upon application of control power, relay contacts switch and delay period T1 begins. At the end of delay period relay contacts return to normal and delay period T2 begins. When T2 ends relay contacts switch again. This sequence is repeated until control power is removed. T1=T2.

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