TIMERS



Multi-Range Multi-Function

MFMR | **MFMRV**

DPDT

Time Ranges:
0.02 to 1s; 0.15 to 10s
1s to 60s; 10s to 600s
1m to 60m; 10m to 10h
22m to 24h; 3h45m to 240h

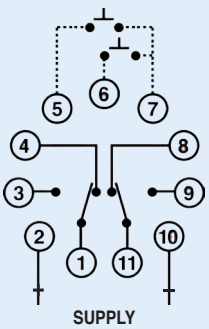
Selectable by DIP switches 1, 2 & 3 at rear of timer.

Functions:
Delay on (**DP2**)
Delay on pulse start (**DAP2**)
Interval timer (**IP2**)
Interval timer pulse start (**IAP2**)
Equal repeating timer (**EP2**) OFF first
Equal repeating timer (**EP2**) ON first

Selectable by DIP switches 4 & 5 at rear of timer.

MFMRV: Multivolt supply 24-250VAC/DC

External POT 100K





Dual Timers

DP/DP | **DP/DP/S/R** | **DP/IP**

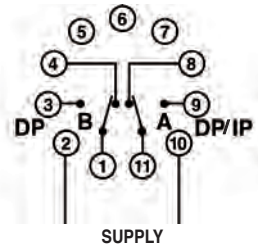
2 x SPDT

OUTSTANDING VALUE, TWO TIMERS IN ONE!

DP/DP
Two delay on timers sharing common power supply. Independently adjustable.

DP/IP
One delay on timer and interval timer sharing common power supply. Independently adjustable.

DP/DP/S/R
Dual Delay on Timers
1st Timer 60s
2nd Timer 10s





Forward Reverse Timer (Multi-Range)

WM1/M

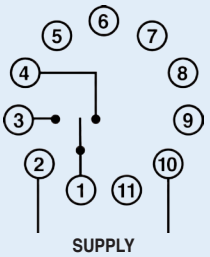
SPDT

Function: When the power is applied the contact between 1 & 4 closes. The contact remains closed for an adjustable forward or ON time period. It then opens for an adjustable pause or OFF time period. After the pause delay, contacts 1 & 3 close and remain closed for a reverse or ON time (same as the forward time). After the reverse period the contact between 1 & 3 opens for the pause time. This cycle is repeated until supply is removed.

DIP Switches 1 to 5: On Pause & Time Ranges:

0.15s to 10s	1.5s to 100s
1s to 1m	10s to 10m
10s to 10m	100s to 100m
1m to 1h	10m to 10h

DIP switch 6: OFF. Pause period first. ON: on period first. External POT 100K



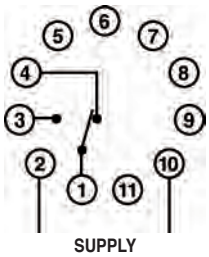


Percentage Timer

PP1

SPDT

Upon application of the supply voltage the OFF time starts. At the end of the OFF time the relay operates and stays in operation for the remaining on time. Thereafter it returns to the OFF position. ie. The total OFF and ON period is equal to the full time. This recycling operation will continue until the supply voltage is removed.





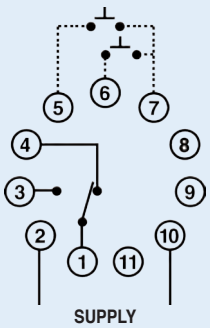
Delay on Pulse Start

DAP1 | **DAP2**

SPDT | DPDT

Start switch between 5 & 7: Apply supply voltage. Upon the closure of switch 5 & 7 the timing period starts, irrespective of whether the start switch is closed or not. After the set time the relay will operate. To repeat this function supply voltage must be removed and re-applied again.

Start switch between 6 & 7: Apply supply voltage. Upon closure of switch 6 & 7 nothing happens. The timing period will only start when the switch between 6 & 7 has opened, upon opening the timing period begins. After the set time the relay will operate.





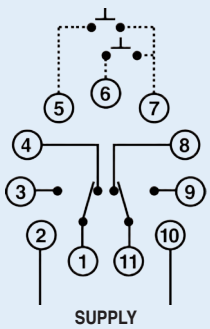
Interval Pulse Start

IAP1* | **IAP2***

SPDT | DPDT

Start switch between 5 & 7: Apply supply voltage. Upon the closure of switch between 5 & 7 the relay operates and the time period starts. When the set time has expired the relay releases irrespective of whether the start switch is still closed or not.

Start switch between 6 & 7: Apply supply voltage. Upon closure of start switch between 6 & 7 the relay operates. The time period ONLY STARTS from the break of the switch.



Galvanic isolation with internal transformer 12, 24, 48, 115, 230, 400, 525VAC ±15% (Test volts 2kV)
Multivolt 24-250VAC/DC (available only on models marked*).
12, 24, 48VDC

Specification					
	Range accuracy:	±5%	Power consumption	AC:	1.5VA
	Repeatability:	1%		DC:	100mA @ 12VDC
	Scale accuracy:	±5%	Contact rating	SPDT:	10A 250VAC
	Reset time:	300mSec		DPDT:	5A 250VAC
	Operating temperature:	-20 to 70°C	For external potentiometer: use 1MΩ		

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See Page 1.6 for Time Ranges