

AC/DC DYNAMICS

FORWARD PAUSE REVERSE TIMER

(Washing Machine Timer)

WM1

OVERVIEW

Congratulations! You have purchased a quality timer manufactured by AC/DC Dynamics. This timer is microprocessor controlled giving you high repeat accuracy and is designed for fail-safe operation.

INSTALLATION

The WM1 should be installed by a competent electrician in accordance with the relevant diagram. Please read these instructions carefully to ensure that the correct function, link and time range have been selected and that the control voltage of the timer is correct before switching on.

Although originally designed for use in industrial washing machines, the WM1 is now used in many diverse applications.

FUNCTIONS

The function is selectable on DIP switch 6.

Function	DIP switch 6
On period first	on
Pause period first	off

TIME RANGES

The time ranges can be changed using DIP switches 1-5.

The time is adjustable on the pots on the front of the timer.

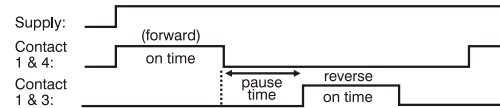
ON Time Range	DIP switch 1	DIP switch 2	DIP switch 5
0.15s to 10s	off	off	off
1s to 1m	on	off	off
10s to 10m	off	on	off
1m to 1h	on	on	off
1.5s to 100s	off	off	on
10s to 10m	on	off	on
100s to 100m	off	on	on
10m to 10h	on	on	on

OFF Time Range	DIP switch 3	DIP switch 4	DIP switch 5
0.15s to 10s	off	off	off
1s to 1m	on	off	off
10s to 10m	off	on	off
1m to 1h	on	on	off
1.5s to 100s	off	off	on
10s to 10m	on	off	on
100s to 100m	off	on	on
10m to 10h	on	on	on

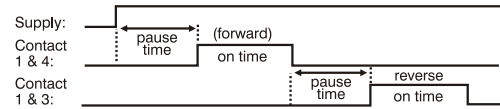
Note: DIP switch 5 is used to multiply all the time ranges by ten, and works simultaneously on both the ON and the OFF ranges.

When the power is applied, the contact between 1 and 4 closes. The contact remains closed for an adjustable forward or ON time period. Then the contact between 1 and 4 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.

With DIP switch 6 ON



With DIP switch 6 OFF



SPECIFICATIONS

Range accuracy:	0.1%
Repeatability:	0.1%
Scale accuracy:	±5%
Reset time:	300ms
Operating temperature	-20 to +70°C
Power consumption	AC: 1.5VA
	100mA
Contact rating	10A 250VAC

Available voltages:

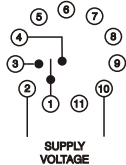
AC:

Galvanic isolation with internal transformer 12, 24, 48, 110, 230, 400 or 525VAC ±15% (Test volts 2KV)

DC:

12, 24, 48VDC

CONNECTION DIAGRAM:



AC/DC Dynamics

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