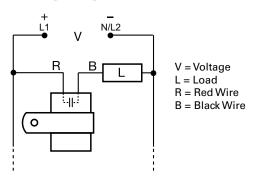
MSM SERIES





Wiring Diagram



Description

The MSM Series replaces bi-metal type timing with reliable solid-state circuitry. There are no moving parts to arc or wear. It is a cost effective solution for OEM designers. It is available for printed circuit board mounting or surface mounting with a removable bracket and wire leads. The MSM Series offers immediate reset on removal of power.

Operation (Delay-on-Make)

The time delay begins upon application of input voltage. The output is de-energized before and during the time delay. At the end of the time delay, the output energizes and remains energized until input voltage is removed.

Reset: Removing input voltage resets the time delay and output.

Features & Benefits

FEATURES	BENEFITS		
Analog circuitry	Repeat Accuracy + / - 5%, Factory calibration + / - 15%		
Compact, low cost design	Allows flexiblility for OEM applications		
Long life	No moving parts to arc or wear		
PCB or wire harness	Offers design and installation flexibility		
Immediate reset	Occurs on removal of power		
Totally Encapsulated	Protects against shock, vibration and humidity		

Ordering Information

MODEL	INPUT VOLTAGE	ADJUSTMENT	TIME DELAY	WIRE TYPE	WIRE LENGTH inches (mm)
MSM10.5W6	12VDC	Fixed	0.5s	Standard Lead	6.0 (152.4)
MSM10.7W6	12VDC	Fixed	0.7s	Standard Lead	6.0 (152.4)
MSM11W6	12VDC	Fixed	1s	Standard Lead	6.0 (152.4)
MSM110W6	12VDC	Fixed	10s	Standard Lead	6.0 (152.4)
MSM130W9	12VDC	Fixed	30s	Standard Lead	9.0 (228.6)
MSM190W6	12VDC	Fixed	90s	Standard Lead	6.0 (152.4)
MSM20.15W9	24VAC	Fixed	0.15s	Standard Lead	9.0 (228.6)
MSM210P3	24VAC	Fixed	10s	PC Mount	0.5 (12.7)
MSM25W9	24VAC	Fixed	5s	Standard Lead	9.0 (228.6)
MSM30.7W6	24VDC	Fixed	0.7s	Standard Lead	6.0 (152.4)
MSM42W6	120VAC	Fixed	2s	Standard Lead	6.0 (152.4)
MSM43W6	120VAC	Fixed	3s	Standard Lead	6.0 (152.4)
MSM420W6	120VAC	Fixed	20s	Standard Lead	6.0 (152.4)
MSM450W6	120VAC	Fixed	50s	Standard Lead	6.0 (152.4)

If you don't find the part you need, call us for a custom product 800-843-8848



MSM SERIES

Specifications

Time Delay

Type Analog Circuitry **Range** 0.05 - 180s fixed

Repeat Accuracy ±5%

Tolerance

(Factory Calibration) $\pm 15\%$ Recycle Time $\leq 75 \text{ms}$

Time Delay vs Temp.

& Voltage ±15%

Input

Voltage 12 or 24VDC; 24, 120, or 230VAC

Tolerance ±10% **AC Line Frequency** 50/60 Hz

Output

Type Solid State

Form NO, open during timing Maximum Load Current 0.5A steady state 25°C; 0.25A steady state 60°C

Minimum Holding Current

Voltage Drop $\approx 2.5 \text{V} @ 0.5 \text{A}$

Protection

Circuitry Encapsulated

Dielectric Breakdown ≥ 2000V RMS input to mounting surface

40mA

Insulation Resistance $\geq 100 \text{ M}\Omega$

Polarity DC units are reverse polarity protected

Mechanical

Mounting A.) PC mount 14 AWG (2.087mm²) wires

(Can be inserted in AMP Miniature Spring

Socket #645980-1)

B.) Stranded 18 AWG wire leads (0.933 mm²)

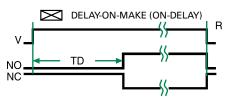
with mounting bracket

Environmental

Operation/Storage

Temperature -20° to 60° C $/ -30^{\circ}$ to 85° CHumidity95% relative, non-condensingWeightP: \approx 1.1 oz (31.2 g)W: \approx 1.2 oz (34 g)

Function Diagram



Time

单击下面可查看定价,库存,交付和生命周期等信息

>>Littelfuse(美国力特)