Analogue Timers

multicomp PRO

RoHS Compliant

Features

- Multi Function: 10 Different (Non Signal & Signal based) Modes
- Wide Voltage range for both AC & DC
- Wide Time range: 0.1s - 100h
- LED Indications for Power and Relay status
- Independent settings for both ON Time & OFF Time
- Low Power Consumption

Specification

Part Number		MP008374	MP008376	MP008381
Parameters				
Timer Description		Multi Function Timer		Asymmetric Timer
Modes		1) Signal ON Delay 2) Cyclic ON/OFF 3) Cyclic OFF/ON 4) Signal OFF Delay 5) Signal OFF/ON 6) Accumulative Delay on Signal 7) Impulse ON/OFF 8) Leading Edge Impulse 9) Trailing Edge Impulse 10) Leading Edge Bi-stable		1) Asymmetric ON-OFF, 2) Asymmetric OFF-ON
Derived Modes		ON Delay, Interval		N A
Supply Voltage		12 - 240V AC/DC		
Supply Variation		-15% to +10%		
Frequency		50/60 Hz		
Power Consumption		2 VA Max.		
Timing Range		0.1s to 100h		
Reset Time		200 ms (Max)		
Setting Accuracy Repeat Accuracy		± 5% of Full scale ± 1%		
Output	Relay Output	1 C/O		
	Contact Rating	8A @ 240 VAC / 5A @ 24 VDC (Resistive)	16A @ 240 VAC / 16A @ 24 VDC (Resistive)	8A @ 240 VAC / 5A @ 24 VDC (Resistive)
	Electrical Life	1×10^5		
	Mechanical Life	5×10^6		
Utilization Category	AC - 15 DC - 13	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A		
Operating Temperature Storage Temperature		-10°C to +60°C -15°C to +70°C		
LED Indication		Green LED Power ON Yellow LED Relay ON		Green LED Power ON, Amber LED Relay ON
Enclosure		Flame Retardant UL94-V0		

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Dimension (W x H x D)	18mm × 85mm × 65mm
Weight (unpacked)	70 g
Mounting	DIN Rail
Degree of Protection	IP 20 for Terminals, IP 30 for Enclosure, IP 40 for Front side

Terminal Torque & Capacity

Ø 3.5...4.0 mm	Torque - 0.6 N.m (6 Lb.in) Terminal screw - M3
	Solid Wire - 1 X 1...4 mm^2
AWG	1 X 18 to 10

Functional Diagrams for MP008381

ASYMMETRIC ON-OFF

On application of supply voltage, the output is initially switched ON for the preset 'ON' time duration (T) after which it is switched OFF for the preset 'OFF' time duration (T). This cycle repeats andq continues till the supply is present. The ON time & OFF time are set independently.

ASYMMETRIC OFF-ON
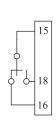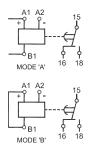
On application of supply voltage, the output is initially switched OFF for the preset 'OFF' time duration (T) after which it is switched ON for the preset 'ON' time duration (T). This cycle repeats and continues till the supply is present. The ON time & OFF time are set independently

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Mounting Dimensions

18.0

65.0
60.0

65.0
45.0

85.0

49.5

Dimensions : Millimetres

Connection Diagram

A1 A2
15
+ −
B1
16 18
MODE 'A'

A1 A2
15
+ −
B1
16 18
MODE 'B'

15
18
16

Part Number Table

Description	Part Number
Multi Function Time Delay Relay, 1CO, DIN Rail	MP008376
Multi Function Time Delay Relay, 1CO, DIN Rail	MP008374
Assymetric Time Delay Relay, 1CO, DIN Rail	MP008381

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