

**RoHS
Compliant**



Features

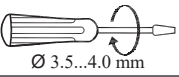

- Multi Function: 10 Different (Non Signal & Signal based) Modes
- Wide Voltage range for both AC & DC
- Wide Time range: 0.1s - 100h
- LED Indications for Power and Relay status
- Independent settings for both ON Time & OFF Time
- Low Power Consumption

Specifications

Parameters	Part Number			
	MP008374	MP008376	MP008381	
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		50/60 Hz (±3Hz)	
Power Consumption	2 VA Max.		6 VA (Typ.)	
Timing Range	0.1s to 100h		0.1s; 1s; 10s; 1min.; 10min.; 1h; 10h; 100h	
Reset Time	200 ms (Max)			
Setting Accuracy	± 5% of Full scale			
Repeat Accuracy	± 1%			
Output	Relay Output	1 C/O		
	Contact Rating	8A @ 240 VAC / 5A @ 24 VDC (Resistive)	16A @ 240 VAC / 16A @ 24 VDC (Resistive)	8A @ 240V AC / 5A @ 24V DC (Resistive)
	Contact Material	-		Ag Ni
	Electrical Life	1X10 ⁵		50,000 Operations Min.
	Mechanical Life	5X10 ⁶		10,000,000 Operation Min.
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	-10°C to +60°C			
Storage Temperature	-15°C to +70°C			

Parameters	Part Number		
	MP008374	MP008376	MP008381
LED Indication	Green LED Power ON Yellow LED Relay ON		Green LED for Power, Yellow LED for Relay.
Enclosure (Housing)	Flame Retardant UL94-V0		
Dimension (W x H x D)	18mm x 85mm x 65mm		18mm x 90mm x 66mm
Humidity	-		95% RH Non-Condensing
Housing Colour	-		Dark Grey
Max. Operating Altitude	-		2000m
Isolation (I/P and O/P)	-		2KV
Isolation (Terminal and Casting)	-		2.5KV
Weight (unpacked)	70 g		72 grams
Mounting	DIN Rail		
Degree of Protection	IP 20 for Terminals, IP 30 for Enclosure, IP 40 for Front side		

Terminal Torque & Capacity

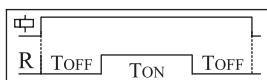
	Torque - 0.6 N.m (6 Lb.in) Terminal screw - M3
	Solid Wire - 1 X 1...4 mm ²
AWG	1 X 18 to 10

Functional Diagrams for MP008381



ASYMMETRIC ON-OFF

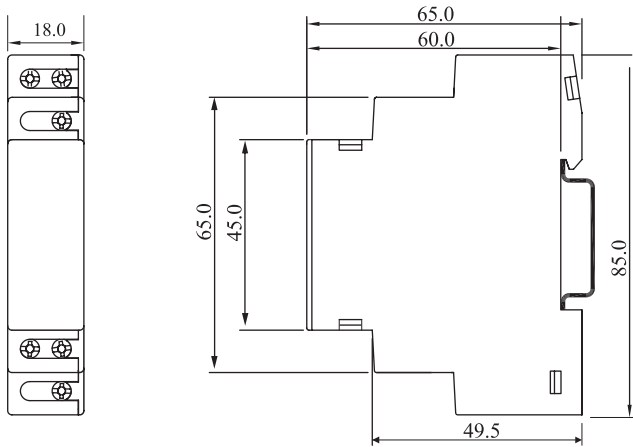
On application of supply voltage, the output is initially switched ON for the preset 'ON' time duration (T) after which it is switched OFF for the preset 'OFF' time duration (T). This cycle repeats and continues till the supply is present. The ON time & OFF time are set independently.



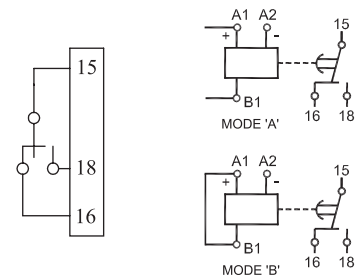
ASYMMETRIC OFF-ON

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.

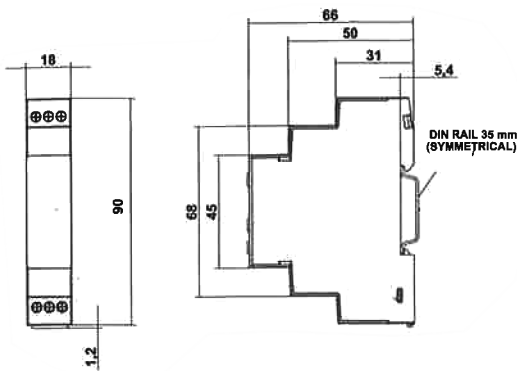
Mounting Dimensions MP008374 & MP008376



Connection Diagram



Mounting Dimensions MP008381



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

Dimensions : Millimetres

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