

**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
<b>Parameters</b>			
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	± 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)
	Electrical Life	1X10 <sup>5</sup>	
	Mechanical Life	5X10 <sup>6</sup>	
Utilization Category	AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A	
	DC - 13	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		
LED Indication	Green LED Power ON Yellow LED Relay ON		Green LED Power ON, Amber LED Relay ON
Enclosure	Flame Retardant UL94-V0		

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

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

## Functional Diagrams for MP008381



### ASYMMETRIC ON-OFF

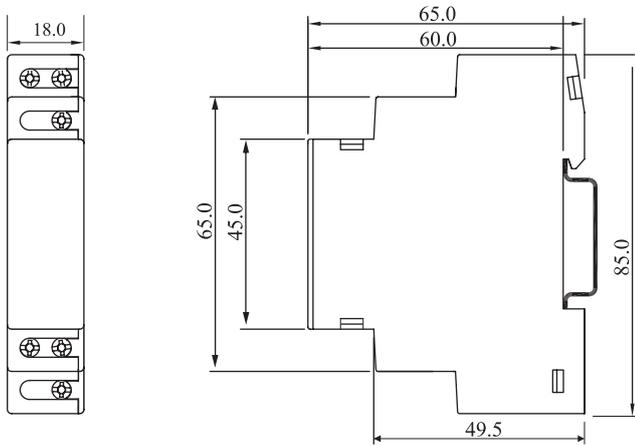
On application of supply voltage, the output is initially switched ON for the preset 'ON' time duration (T) after which it is switched OFF for the preset 'OFF' time duration (T). This cycle repeats and continues till the supply is present. The ON time & OFF time are set independently.



### ASYMMETRIC OFF-ON

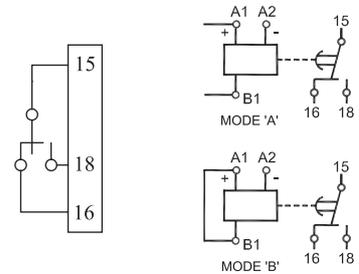
On application of supply voltage, the output is initially switched OFF for the preset 'OFF' time duration (T) after which it is switched ON for the preset 'ON' time duration (T). This cycle repeats and continues till the supply is present. The ON time & OFF time are set independently.

## Mounting Dimensions



Dimensions : Millimetres

## Connection Diagram



## 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

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.