Analogue Timers

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Asymmetric ON-OFF Timer

- Compact 22.5mm Wide
- Can be configured to Switch ON or Switch OFF first
- Independent settings for ON & OFF time
- Wide Time Range
- LED Indications for Power and Relay status

Star Delta Timer

- Settable Start Time
- Settable Pause Time
- Indications for Star & Delta
- Excellent Noise Immunity to the latest IEC standards

RoHS Compliant

Specification

Part Number	MP008388
Parameters	
Timer Description	Asymmetric Timer
Mode	Asymmetric ON-OFF (A), Asymmetric OFF-ON (B)
Functional Diagram	
Supply Voltage	24V AC / 240V AC/DC
Supply Variation	- 20% to +10%
Frequency	50/60 Hz
Power Consumption	4 VA Max.
Timing Ranges	0.1s to 10h
Pause Time (P)	N A
Reset Time	200 ms (Max.)
Setting Accuracy Repeat Accuracy	± 5% of Full scale ± 1%

Output	Relay Output	2 C/O
	Contact Rating	5A @ 240V AC / 28V DC (Resistive)
	Electrical Life	1×10^5
	Mechanical Life	1×10^7

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		-15°C to +60°C -20°C to +80°C
Humidity (Non Condensing)		95% (Rh)
LED Indication		Green LED Power ON, Red LED Relay ON
Enclosure		Flame Retardant UL94-V0
Dimension (W x H x D)		22.5mm × 75mm × 100.5mm
Weight (unpacked)		130 g
Mounting		Base / DIN Rail
Degree of Protection		IP 20 for Terminals, IP 40 for Enclosure

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MP008387

Signal Based Multi - Function

- Multi-function with Signal Start and Supply Start.
- 16 Timing Functions selected by DIP switch.
- Two independent relay outputs with either both relays timed or one timed and one instantaneous.
- Wide Input Signal & Supply range - 24-240V AC/DC.
- Wide Timing Range - 0.1 s to 120 days.
- High timing Accuracy.
- LED indicators for Power Supply & Relay Status.
- 22.5mm DIN Mount Housing.

Specification

Part Number		MP008387
Parameters		
Timer Description		Multi-function with Signal Start and Supply Start
Supply Voltage		24V AC / 240V AC/DC
Supply Variation		- 20% to +10%
Frequency		50/60 Hz
Power Consumption		3 VA Max.
Initiate Time		100 ms (Max.)
Reset Time		200 ms (Max.)
Signal Voltage	Low Range (B1L-A2)	24-60V AC/DC
	High Range (B1H-A2)	85-265V AC, 100-265V DC
Signal Sensing Time		For AC Signals: 50 ms Max.
		For DC Signals: 20 ms Max.
Signal stabilization Delay		100 ms (Applicable at Power ON Only)
Setting Accuracy		± 5% of Full scale
Repeat Accuracy		± 1%
Output	Relay Output	1 C/O (Delayed) & 1 C/O (Configurable as either Delayed or Instant)
	Contact Rating	5A @ 240 VAC / 28 VDC (Resistive)
	Contact Material	AgNi
	Electrical Life	1×10^5
	Mechanical Life	1×10^7
Set Time (Ts)		0.1 seconds to 120 Days
LED Indication on front panel		Green LED ON: Power ON, Amber LED ON :Relay ON for Delayed contact
Mounting		Base / DIN Rail
Max. Operating Altitude		2000 m
Housing		Flame retardant (UL 94-V0)

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Page <2>   17/03/23   V1.0

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Operating Temperature Storage Temperature	-10°C to +60°C -20°C to +70°C
Humidity (Non Condensing)	95% (Rh)
LED Indication	Green LED Power ON, Red LED Relay ON
Enclosure	Flame Retardant UL94-V0
Dimension (W x H x D)	22.5mm × 83mm × 100.5mm
Weight (unpacked)	130 g
Pollution Degree	II
Degree of Protection	IP 20 for Terminals, IP 40 for Enclosure

Features

- True OFF Delay (Power OFF Delay) upto 600 seconds with 2 C/O.

| Part Number	MP008389		
Parameters			
Timer Description	True OFF Delay (Power OFF Delay) Timer		
Mode	True OFF Delay (Power OFF Delay)		
Functional Diagram			
Supply Voltage	24V AC / 240V AC/DC		
Supply Variation	-10 to +20%		
Frequency	50/60 Hz		
Power Consumption	2.5 VA Max.		
Energizing Time	1s (Minimum)		
Timing Range	0.6s to 600s		
Setting Accuracy Repeat Accuracy	± 5% of Full scale ± 1%		
Output	Relay Output	2 C/O	
	Contact Rating	5A @ 240V AC / 28V DC (Resistive)	
	Electrical Life	1×10^5	
	Mechanical Life	1×10^7	
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	

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Page <3>   17/03/23   V1.0

Analogue Timers

Operating Temperature Storage Temperature	-15°C to +60°C -20°C to +70°C
Humidity (Non Condensing)	95% (Rh)
LED Indication	Green LED Power ON, Red LED Relay ON
Enclosure	Flame Retardant UL94-V0
Dimension (W x H x D)	22.5mm × 75mm × 100.5mm
Weight (unpacked)	130 g
Mounting	Base / DIN Rail
Degree of Protection	IP 20 for Terminals, IP 40 for Enclosure

Mounting Dimension
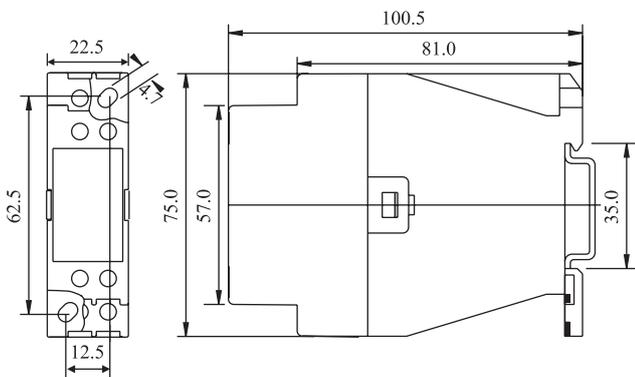
MP008388

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Dimensions : Millimetres

Connection Diagram
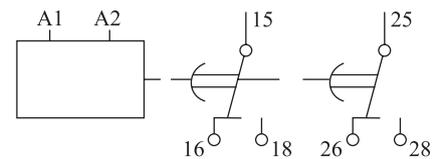
MP008388

MP008389

Part Number Table

Description	Part Number
Assymetric Time Delay Relay, 2CO, DIN Rail	MP008388
Multi Function Time Delay Relay, 2CO, Signal Based	MP008387
True Off Time Delay Relay, 2CO	MP008389

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Page <4>   17/03/23   V1.0