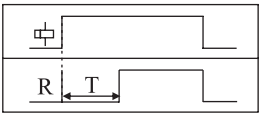
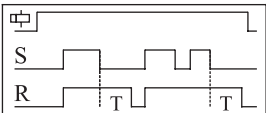




## Features

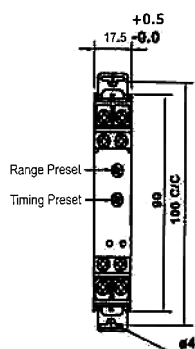
- Compact 17.5mm Wide
- Integrated Dual Voltage
- Functions: ON Delay, Star Delta, One Shot
- Wide Time Range: 0.3s - 30h
- LED Indications for Power and Relay status
- Low Power Consumption

## Specification

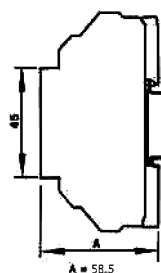
| Part Number               |                 | MP008377 & MP008378                                                                                                                  | MP008379 & MP008380                                                                 |
|---------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Parameters</b>         |                 |                                                                                                                                      |                                                                                     |
| Timer Description         |                 | ON Delay Timer                                                                                                                       | Signal OFF Delay Timer                                                              |
| Mode                      |                 | ON Delay                                                                                                                             | Signal OFF Delay                                                                    |
| Functional Diagram        |                 |                                                    |  |
| Supply Voltage            |                 | 240V AC / 24V AC/DC                                                                                                                  |                                                                                     |
| Supply Variation          |                 | - 20% to +10%                                                                                                                        | - 15% to +10%                                                                       |
| Frequency                 |                 | 50/60 Hz                                                                                                                             |                                                                                     |
| Power Consumption         |                 | 8 VA Max.                                                                                                                            |                                                                                     |
| Timing Ranges             |                 | 0.3s to 30h                                                                                                                          |                                                                                     |
| Reset Time                |                 | 100 ms (Max.)                                                                                                                        | 150 ms (Max.)                                                                       |
| Setting Accuracy          |                 | ± 5% of Full scale                                                                                                                   |                                                                                     |
| Repeat Accuracy           |                 | ± 1%                                                                                                                                 |                                                                                     |
| Output                    | Relay Output    | 1 C/O                                                                                                                                |                                                                                     |
|                           | Contact Rating  | 5A @ 240V AC / 28V DC (Resistive)                                                                                                    | 5A @ 240V AC / 3A @ 30V DC (Resistive)                                              |
|                           | Electrical Life | 1 × 10 <sup>5</sup>                                                                                                                  |                                                                                     |
|                           | Mechanical Life | 5 × 10 <sup>6</sup>                                                                                                                  |                                                                                     |
| Utilization Category      | AC - 15         | Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A<br>Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A |                                                                                     |
|                           | DC - 13         |                                                                                                                                      |                                                                                     |
| Operating Temperature     |                 | -10°C to +55°C                                                                                                                       |                                                                                     |
| Storage Temperature       |                 | -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)     |                 | 17.5mm × 90mm × 58.5mm                                                                                                               |                                                                                     |
| Weight (unpacked) Approx. |                 | 65 g                                                                                                                                 |                                                                                     |
| Mounting                  |                 | Base / DIN Rail                                                                                                                      |                                                                                     |
| Degree of Protection      |                 | IP 20 for Terminals, IP 40 for Enclosure                                                                                             |                                                                                     |

## Diagram

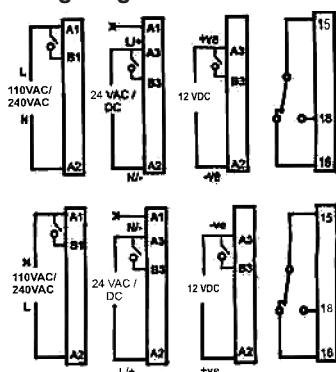
Base Mounting



Din Rail Mounting



## Wiring Diagrams



## Part Number Table

| Description                                     | Part Number |
|-------------------------------------------------|-------------|
| Signal OFF Delay Timer, 1CO, 110V AC, 24V AC/DC | MP008379    |
| Signal OFF Delay Timer, 1CO, 240V AC, 24V AC/DC | MP008380    |
| Signal ON Delay Timer, 1CO, 110V AC, 24V AC/DC  | MP008377    |
| Signal ON Delay Timer, 1CO, 240V AC, 24V AC/DC  | MP008378    |

Dimensions : Millimetres

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