



UMT500 Multiple Digital Timers

The Tempatron UMT500 multiple digital timer is a 4 digit programmable digital timer with 5 independent relay outputs, each of which has 5 selectable operating modes and an external start/reset function.

The UMT500 offers a flexible, economic alternative to individual timers or complex PLCs and is suitable for controlling processes in a wide range of industrial applications, particularly where space is at a premium.

The isolated output contacts can be configured as timed or instantaneous, with time ranges selectable from 0.1 second to 99:59 hours.

These timers are housed in a compact DIN rail mounting enclosure and are powered from 12 to 24Vac/dc or 110/230Vac.

Models Available

UMT500ML Digital Timer 12-24Vac/dc

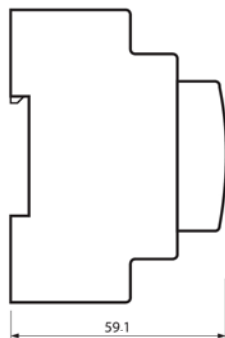
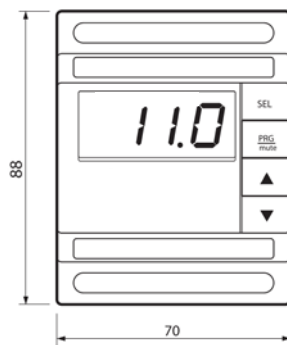
UMT500MH Digital Timer 110/230Vac

Product Features

- 4 digit green LED display multiple timer
- 5 independent timers/relays in one timer
- 5 programmable timing modes
- 3 time ranges from 0.1 sec to 99:59 hrs
- 12 to 24Vac/dc or 110/230Vac
- 2 changeover and 3 N/O relay outputs
- External start or reset
- Security passcode
- IP40 enclosure code
- DIN rail mounting
- Selectable up/down timing
- LED status and timing indicators
- Matching temperature controllers

For timing control of machinery, systems and operational processes

Dimensions

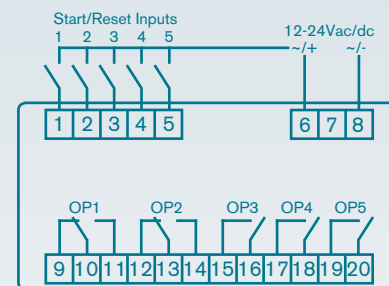


Panel cutout 70mm x 45mm (-0.0/+0.5)

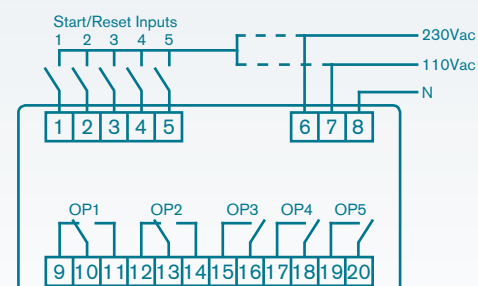
All dimensions in mm

Connections

UMT500ML



UMT500MH



Ordering information

| Model | Code | Description |
|----------------|-----------------|--|
| | UMT500ML | Multiple Digital Timer 12 to 24Vac/dc (Delay on Energise, Delay on De-Energise, Interval, Cycling Timer with Cycle Limiter, Delay On/Delay Off, Externally Activated Relay) |
| | UMT500MH | Multiple Digital Timer 110/230Vac (Delay on Energise, Delay on De-Energise, Interval, Cycling Timer with Cycle Limiter, Delay On/Delay Off, Externally Activated Relay) |
| Example | UMT500MH | |

Specification**Accuracy:**

- Scale accuracy: $\pm 0.5\%$ or 20ms (whichever is greatest)
- Repeat accuracy: $\pm 0.3\%$ of set time

Power Supply Voltage:

- UMT500ML 12 to 24Vac/dc ($\pm 10\%$)
- UMT500MH 110/230Vac ($\pm 10\%$)

Burden

- $< 3\text{VA}$

Frequency:

- 50/60Hz

Time Ranges:

- 0.1 to 999.9sec
- 00:01 to 99:59min
- 00:01 to 99:59hrs

Relay Output:

- Double pole changeover contact and three pole N/O contact

Contact Rating:

- 5A at 240Vac/30Vdc (resistive)

Electrical Contact Life:

- 100,000 operations at rated output

Reset Time:

- 100ms approx.

Operating Temperature:

- 0°C to 50°C

Storage Temperature:

- 0°C to 70°C

Enclosure Code:

- Case IP40

Weight:

- 250g

Markings:

- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

Tempatron: Eltime House, Hall Road, Maldon, Essex, CM9 4NF UK.

TEMPATRON

Tempatron Industrial Controls is a division of Eltime Ltd.

© Eltime Ltd. Tempatron UMT500 Timers 04/2011