



## 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

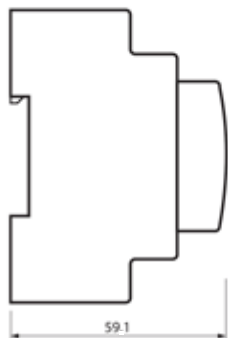
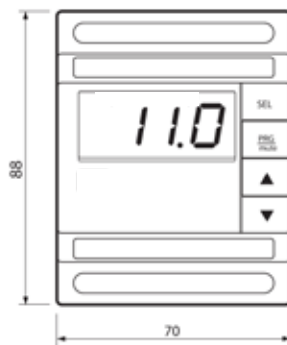
**UMT500MH** Digital Timer 110/230Vac

### 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

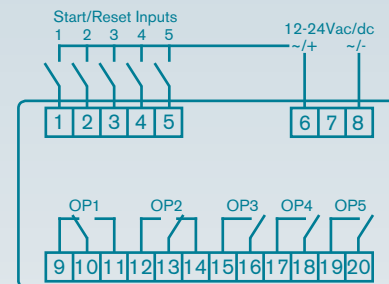


Panel cutout 70mm x 45mm (-0.0/+0.5)

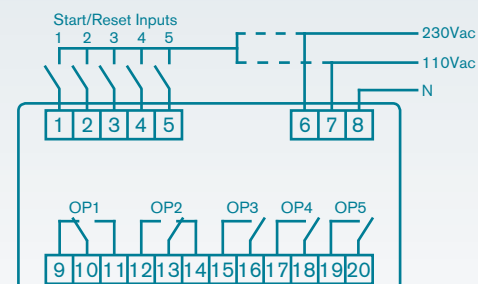
All dimensions in mm

### 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)

<b>Example</b>	<b>UMT500MH</b>
----------------	-----------------

**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:**

- $0^{\circ}\text{C}$  to  $50^{\circ}\text{C}$

**Storage Temperature:**

- $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$

**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