



ELTIME CONTROLS TM812 LCD 2 Channel Digital Timeswitch Instruction Manual

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ELTIME CONTROLS TM812 LCD 2 Channel Digital Timeswitch



Product Information

- The TM812 digital time switch offered by Eltime Controls is a versatile and accurate device suitable for a wide range of industrial control applications. It features two independently programmable voltage-free changeover relay contacts and can be powered from various AC or DC auxiliary power options. The time switch can be mounted either on a DIN rail or surface mounted.
- In the event of a mains shutdown or power failure, the TM812 has a 500-hour battery power reserve that allows it to maintain program memory and continue operating accurately to the second. The time switch is easy to program using a step-by-step push button sequence and offers flexible programming options for individual day or weekend programs. It also includes a permanent override function and two LED indicators to display the status of each channel relay.
- The TM812 LCD 2 Channel Digital Timeswitch is one of the available models and comes with a liquid crystal display. It offers up to 7 on and 7 off operations, with a minimum switching interval of 1 minute. The time switch supports daily, 7-day week, 5-day week, and weekend modes. It has screw-type terminals and a 500-hour lithium battery reserve. Programming instructions are provided with the product.

Product Usage Instructions

1. Choose the appropriate power supply option (AC or DC) and connect the supply wires to the designated terminals marked (-) and (+).
2. Refer to page 7 for dimensions if you are planning to mount the time switch.
3. Follow the step-by-step push button sequence to program each channel of the time switch:
 - Press the ON button to start programming.
 - Set the desired time for the ON operation using the DAY, HR, and MIN buttons.
 - Press the AUTO button to set the switching mode to automatic.
 - Repeat the above steps to program the OFF time.
 - For additional programming options, refer to the supplied programming instructions.
4. Use the CLK button to manually override the programmed schedule when needed.
5. The two LED indicators will display the status of each channel relay.

Please note that all dimensions provided are in millimeters. For further information or assistance, you can contact Eltime Controls via email at sales@eltime.co.uk or visit their website at www.eltime.co.uk.

Digital Timeswitch – 2 Channel

- The TM812 digital timeswitch offers quartz accuracy and flexibility making it suitable for a large range of industrial control applications. The time switch can be powered from a large choice of AC or DC auxiliary power options, has two independently programmable voltage-free changeover relay contacts and can be DIN rail or surface mounted.
- In the event of a mains shutdown or power failure, the TM812 will maintain program memory and continue to operate, accurately to the second, due to a 500-hour battery power reserve. The TM812 is very simple to program each channel through a step-by-step push button sequence and flexible programming enables individual day or weekend programs. The time switch has a permanent override function and two LEDs to indicate each channel relay status.
- For digital timing control of daily or weekly events and processes

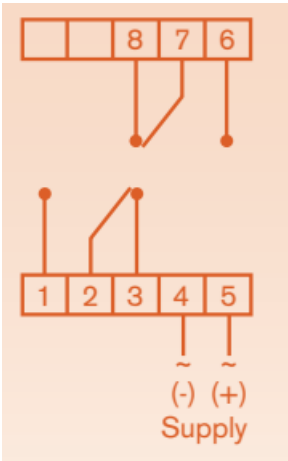
Models Available

- TM812 LCD 2 Channel Digital Timeswitch

Product Features

- 2 independent channels
- Quartz accuracy
- Up to 7 on and 7 off operations
- 1 minute minimum switching interval
- Daily, 7-day week, 5-day week, and weekend modes
- Liquid crystal display
- DIN rail or surface mounting
- Screw type terminals
- 500 hour lithium battery reserve
- Programming instructions supplied

Connections



Ordering information

Code	Timeswitch Type	Auxiliary Voltage
TM812	Digital Timeswitch – 2 Channel	–
Specify	–	12 or 24Vac/dc
Specify Specify	– –	110, 230 or 415Vac Other (specify)
Example	TM812	230Vac

Specification

Accuracy:

- ±1 sec in 24 hours (quartz timebase)

Display:

- Liquid crystal – 6mm high characters

Supply Voltage:

- 12Vac/dc, 24Vac/dc (-15% to +10%)
- 110, 230, 415Vac (-15% to +10%)

Burden:

- 6VA (AC) or 1.5W (DC)

Frequency:

- 45 to 65Hz or DC

Battery Reserve:

- 5 00 hours (display/memory, not output)

Relay Output:

- 2 voltage-free changeover relay

Contact Rating:

- 16A (resistive), 3A (inductive/capacitive)
 - 250Vac maximum
- Contact life 10,000,000 operations

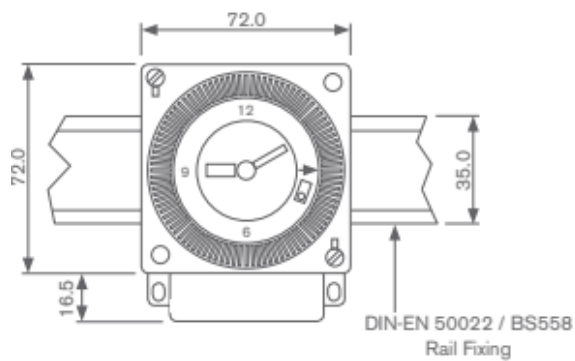
Operating Temperature:

- -10°C to 45°C

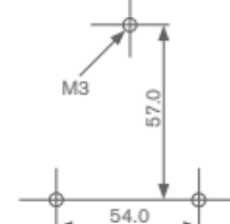
Enclosure:

- 5 2.5mm wide flame retardant grey ABS
 - 35mm DIN rail (DIN-EN 50022) or surface mounting
- IP40 enclosure code
- **Weight:** 140g
- **Markings:** CE marked
- Specification is subject to change without notice.

Dimensions

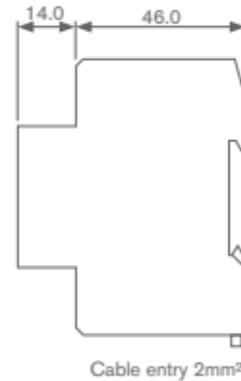
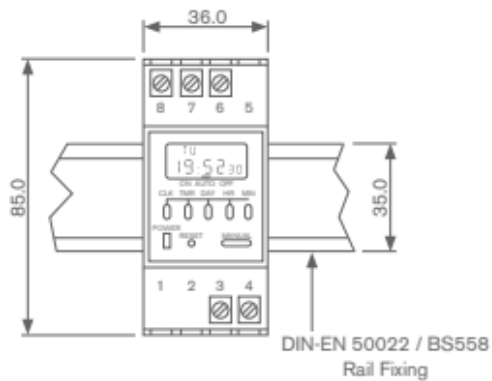


Dimensions for Surface Mounting

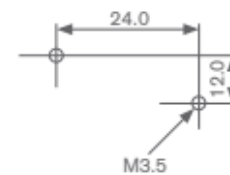


Max. Panel Thickness 10mm
Panel Cutout 66.0mm square (± 1.0 mm)

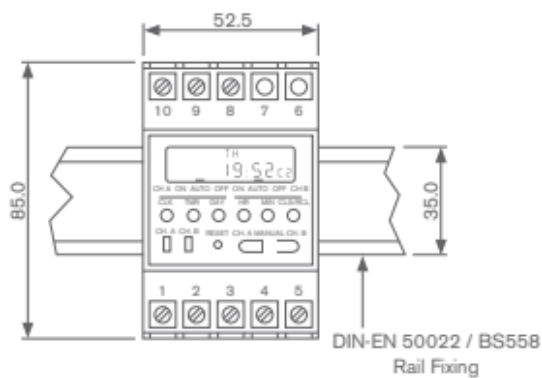
TM848 Enclosure



Dimensions for Surface Mounting
Adaptor Plate



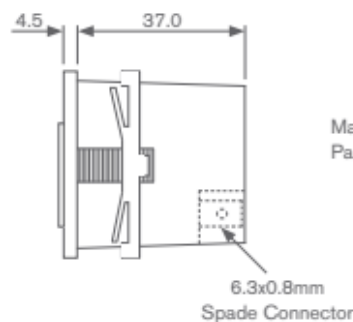
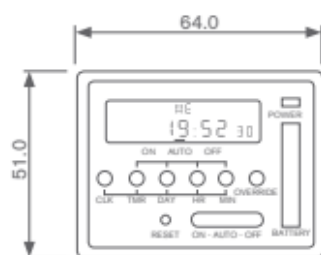
TM812 Enclosure



Dimensions for Surface Mounting
Adaptor Plate



TM823 Enclosure



Max. Panel Thickness 10mm
Panel Cutout 60mm x 47.0mm (± 1.0 mm)

All dimensions in mm

Eltime Controls Email: sales@eltime.co.uk Web: www.eltime.co.uk



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2 Channel, TM812, TM812 LCD 2 Channel Digital Timeswitch, LCD 2 Channel Digital Timeswitch, Digital Timeswitch, Timeswitch