

TMR12

This product has a one year guarantee from date of purchase

Products from electric-clocks

- ★ EC4A
Slave Clock Impulse Driver for clocks such as Gents and Synchronome. To replace a Master clock
- ★ EC5AP
Alternating Polarity Impulse Driver for clocks such as Favag, Westerstrand and the clocks used at BBC studios
- ★ FC110
50Hz to 60Hz @115vAC Frequency Converter for American clocks
- ★ FC9
60Hz to 50Hz @9vAC Frequency Converter to UK clocks to work in the USA
- ★ EC61
A pulse converter to allow an Alternating Polarity clock to work on a standard Master Clock circuit
- ★ TMR12
A precise 12 hour timer to turn ON and OFF a noisy slave clock
- ★ CS150
Lubrication oil specifically for electric clock pivots
- ★ LED Bulbs
Very low consumption LED lamps to replace incandescent in USA clocks - work with FC110.

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TMR12 Precise 12 Hour Timer

Set-Up and Operation Manual

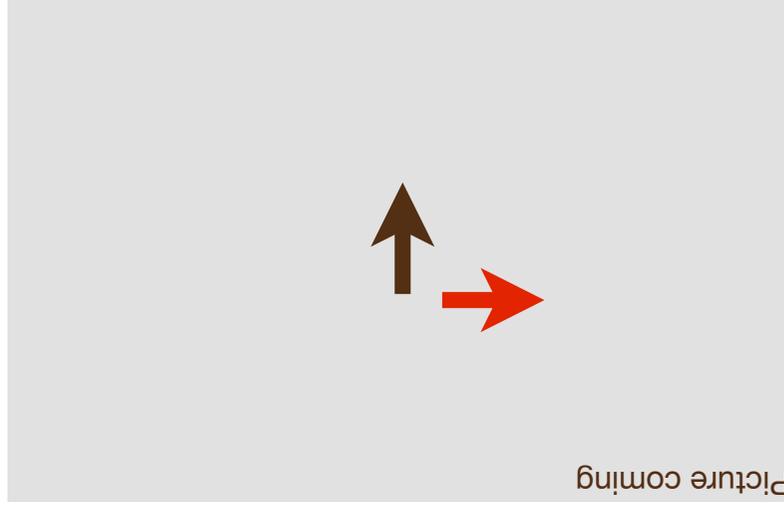
Picture coming

Set-Up and Connections

Connection into a clock circuit

1. Connect the TMR12 output lead to the existing EC4A driver board on the 2pin header that the switched battery pack plug was removed from
2. Connect the switched battery pack to the input on the TMR12 board.
3. Set the 'Jumper' peg
- a. On the two pins to start in 'clock on' mode
- b. Removed from the two pins to start in 'clock off' mode

4. Turn on the switched battery pack.
You will get a red LED flash for starting in 'clock not running' mode and a green LED flash for starting in the 'clock running' mode
5. You will need to turn off/remove the power to change the setting



- Δ Start up in the 'power off mode' - clock not running or

'power on mode' - clock running

- Δ Easy adjust from one mode to the other

Δ LEDs to indicate start up

- Δ Connects straight in line with your existing EC4A

Δ Dimensions 110mm (inc the flange) x 55mm x 27mm (enclosed)

This product will turn your slave clock off automatically for you after exactly 12 hours and then turn it back on again after another 12 hours exactly and repeat this action.

Or the other way around on for 12 hours and then off for 12 hours.

This action, either way, is repeated until you turn off the power.

For example: you can set it to the 'start with power off' setting and start the timer at 9pm exactly. You will see the red LED flash and the clock will be off for 12 hours.
At 9am exactly in the morning the clock will automatically start up. This process will repeat continually.

If you set to the 'start with power on' setting then the clock will run for 12hours exactly and turn off for the next 12 hours.

Then repeated...and so on..

This does of course assume you have a 12 hour dial.

Just a small bit of detail; this timer runs approx 0.5 seconds slow per day. This I found was the best compromise because if you have an existing driver that is slightly slow you have a bit of leeway for the clock to step the last step (e.g. 9pm) before turning off

Power

The TMR12 consumes a miserly 33µA