

EMT757 PROGRAMMABLE DIGITAL TIME SWITCH

EASY USER GUIDE

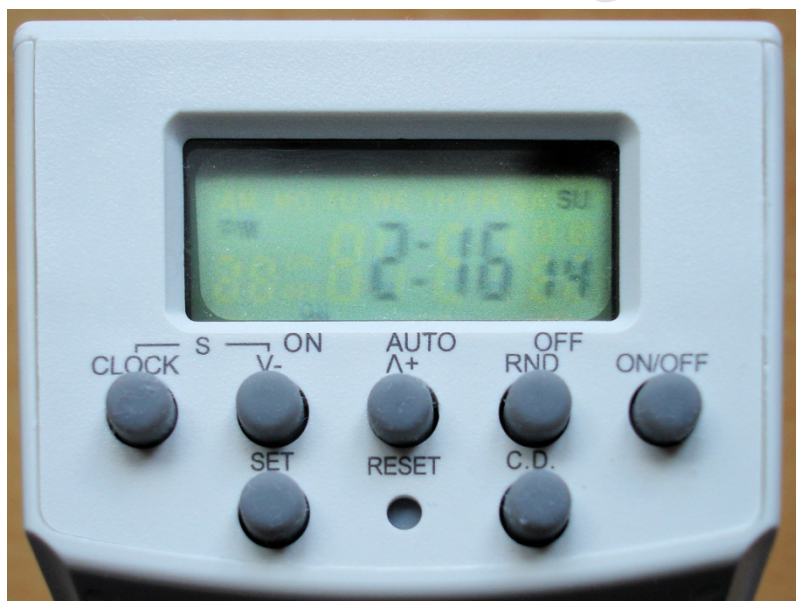
At last, here's the instruction manual they left out of the box! This is an easy-to-read and comprehensive guide that explains how to use the popular EMT757 time switch.

The EMT757 time switch has been sold for many years, previously in the UK by B&Q under the Everflourish brand, and currently under the ExtraStar brand found on Amazon. Clas Ohlson also sells it under their Cotech label.

It's a versatile 7-day time switch that with 20 individual on-off programmes, a countdown timer that switches on/off after an elapsed period, and a random burglar-deterrent function. A built-in battery backup maintains the timer settings when the timer isn't in use (for months if not years), or when there's a power cut. This means you can also set the timer in your hands, without struggling to set it up in situ, plugged into a mains socket.

I've used them for many years and have got to know them very well. The problem for many users is that the digital display and buttons are pretty small, and the supplied generic instructions take a bit of digesting (and contain one or two errors), hence I've written this guide to make life easy for those who might be struggling with this popular timer.

Users are warned against controlling electric heaters, irons, cooker rings etc to avoid fire risk (eg with unattended appliances being accidentally left on, something falling in front of them in the meantime or being forgotten about).



Setting the correct day of the week and current time

The time switch arrives showing a random time and day of the week, and needs setting for the current day and time.

Press **CLOCK** to show the time and day, then press **SET** until the DAY OF THE WEEK flashes. Press the √- (**DOWN**) or ^+ (**UP**) arrows to go through the days of the week (Monday → Sunday) until today's day is flashing along the top of the display.

Then press **SET** once and the HOURS will now flash. Press the √- (**DOWN**) or ^+ (**UP**) arrows until today's HOURS (time of day) flashes. Keeping either button pressed, causes the hours to fast forward or backwards.

Then press **SET** once and the MINUTES will now flash. Press the √- (**DOWN**) or ^+ (**UP**) arrows until today's correct MINUTES (time of day) is flashing.

With today's day and time having been chosen, press **SET** one last time to complete the setting.

- To swap between **12 or 24 hour display** (eg 7.00 pm or 19:00) display: press **CLOCK** for two seconds.
- The timer reverts to current CLOCK display after 15 seconds if no buttons are pressed.
- If you lose your way, simply press **CLOCK** to come out of the setting-up.

Setting up a basic timer programme

Twenty programmes are available, so you set the on and off times and days for each – up 40 on-offs in all. (A misprint in the instructions states there are 140 on-off programmes per week.)

Programmes are shown in the display by their programme number **1→20** and **ON/OFF** symbols in the display. A separate programme called 'd' is for the countdown/ up time, described later.

Press once the ^+ (**UP**) button to display **1^{ON}** (Programme 1^{ON} time) in the display. Then press **SET** to select the day(s) of the week you want your programme to use. MON shows first, by default. Use the √- (**DOWN**) or ^+ (**UP**) buttons to select the day(s) as follows:

- MON → SUN (every day of the week)
- MON ... FRI (one day of the week only)
- MON WED FRI (only)
- TUE THUR SAT (only)
- SAT SUN (weekends only)
- MON TUE WED (only)
- THUR FRI SAT (only)
- MON → FRI (weekdays only)
- MON → SAT (not Sunday)
- MON → SUN (every day of the week)

Choose the required day(s) and then press **SET** to move on to the time display. Use the ∇ - (**DOWN**) or \wedge + (**UP**) buttons and then **SET** button to set the hours and minutes for Programme 1^{ON} time.

Then set the OFF time; now press \wedge + (**UP**) and the display changes to show 1_{OFF} time. Repeat the above to set Programme 1_{OFF} time. Finally press **SET** to confirm to confirm the 1_{OFF} time.

Programme 1 has now been set. Press **CLOCK** to return to the current time display.

IMPORTANT - ON/OFF BUTTON

Pressing this button manually overrides what the timer is doing. Setting it to either ON or OFF sets the load to ON or OFF 'full-time' until you switch it back again. Repeatedly press the button and the timer display will go through ON→AUTO→OFF→AUTO→ON.

The **ON/OFF** button is also used to set the timer into operation correctly. This is very important!

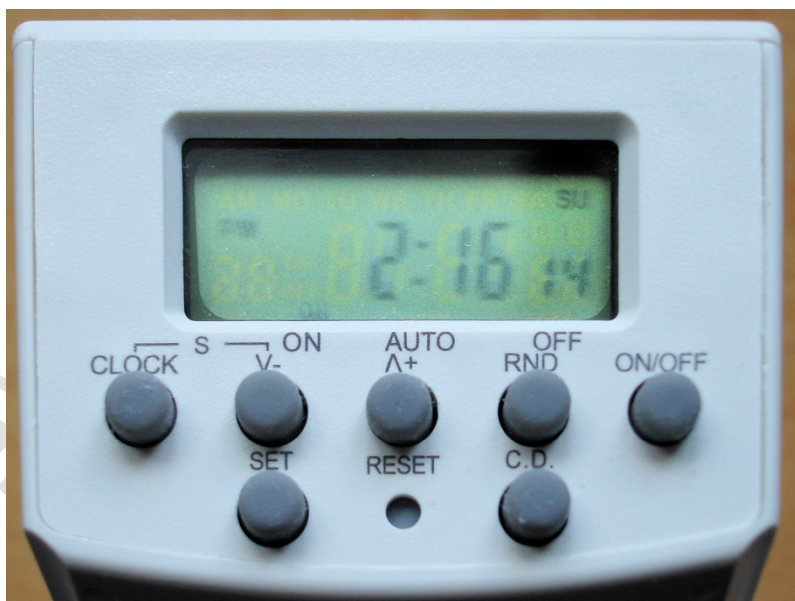
For the programmes to run, the time switch must be set into **AUTO** mode. The **ON/OFF** button is used to tell the time switch what it's supposed to be doing at the moment – should it be on or off right now? Press **ON/OFF** repeated to set the current state it should be in (**ON** or **OFF**). Then press once more for **AUTO**. The time switch will then run programmes at the relevant time.

Example,

Say it's currently 6.30 pm and you've set Programme 1 to turn a lamp on at 8.00 pm. Therefore the timer should currently be **OFF**. So press the **AUTO** button repeatedly until **OFF** shows in the display. THEN PRESS ONE MORE TIME FOR **AUTO**. The timer will now run automatically as programmed.

Up to 19 more programmes can be set in just the same way, choosing day(s) of the week, and their on and off times.

Note: keeping ∇ - or ∇ + pressed down causes all 20 programme times to scroll by, so you can see easily what's been set.



COUNTDOWN TIMER – the ‘d’ PROGRAMME

This special programme will turn the load either on or off after a time period has elapsed. It's operated by the **CD** button. Use it for eg battery chargers or small appliances in case you forget to turn them off.

To set ‘d’ Countdown mode:

In **CLOCK** display mode, you can press **V-** (**DOWN**) to enter the ‘d’ programme directly. Or you must use **Λ+** (**UP**) to scroll through all 20 programmes until **d^{ON}** appears.

Then press **SET** and **ON** will flash in the display. Use **V-** (**DOWN**) or **Λ+** (**UP**) buttons to toggle between **ON** and **OFF**. Press **SET** once you've chosen either the **ON** or **OFF** mode:

- In **ON** mode, the load is **ON** and the time switch will count downwards until it turns it **OFF**.
- In **OFF** mode, the load is **OFF** and the time switch will count downwards until it turns it **ON**.

Then use **V-** (**DOWN**) or **Λ+** (**UP**) to input the time period, up to 99 hours and 59 minutes. Press **SET** to complete.

To start countdown timing, the timer must be in **AUTO** mode, then press the **CD** button. **CD** will flash in the display and timing commences. Pressing **CD** again cancels the countdown timer again.

If countdown timing has commenced, when in **CLOCK** mode, press **V-** (**DOWN**) to show the ‘d’ countdown elapsed time.

The **CD** Countdown mode, if used, will override any timer programmes (1-20). But Random mode (see next) takes precedence over **CD** mode.

RANDOM MODE

This turns the load on and off semi-randomly, eg using a table light or radio to give the impression a house is occupied. The timer must be in **AUTO** mode. Then press the **RND** button to start random operation. An **[R]** symbol shows in the display (above the seconds digits). It operates continually like this until you press **RND** again.

Random mode overrides any programmed times (1-20) as well as the Countdown 'd' timer. During random timing, power 'off' lasts for 26-42 minutes and power 'on' lasts for 10-26 minutes.

Strangely, it's not possible to link this random operation to a timed programme. The timer operates randomly all the time it's in **AUTO** mode. So unfortunately you can't set it to come on only at night, for example.

DAYLIGHT SAVING TIME/ BRITISH SUMMER TIME

To advance the clock one hour for DST/ BST, press **CLOCK** and **∇**- (**DOWN**) at the same time. The button markings show 'S' for this function. An **[S]** symbol will appear in the display. Repeat to reverse it again.

RESETTING

The **RESET** button can be pressed with a ballpoint pen which will clear the timer settings completely.

If the display has gone blank – a sign of a failing battery - try pressing **RESET** to see if it restores the clock display again.

ABOUT THE BATTERY

The EMT757 has a built-in rechargeable NiMh cell that powers the digital clock (but not the relay), even if the timer isn't plugged in. This also keeps the clock going even if there's a power cut. The battery recharges fully within 2 hours and lasts for many months (or longer) between charges.

Experience shows the battery lasts for many years. Whilst it's possible to replace it by soldering in a new one, the 1.2V cell is non-standard and difficult to obtain. I found it wasn't worth the effort. If the battery has worn out, the timer switch should be disposed of in electrical waste.

TYPE EMT757

20 PROGRAMMES, 7 DAYS

12 or 24 HOUR DISPLAY

COUNTDOWN TIMER – up to 99 hours 59 mins UP/ DOWN

RANDOM SETTING (always on, not timed)

DAYLIGHT SAVING TIME ADJUST (manual, not automatic)

INTERNAL BATTERY - 1.2V NiMH / not user-replaceable

MAXIMUM RATING - 2,000W 8 AMPS @ 240V