

Timeguard ETU17 7 Day Digital Plug-In Time Controller



Farnell SKU – 678-284

The Timeguard ETU17 has all the features and benefits of the Timeguard ETU11 plus individual day, every day, every weekday or weekend programme selections over a 7 day period. Six programmes are available and if selected to operate over all 7 days, 42 ON & OFF switching per week will result.

- Display on topside for ease of viewing when in use.
- Slim line plug-in control.
- Simple two button programming.
- 4 ON and 4 OFF switching commands over 4 hours.
- Shortest switching time 1 minute.
- Manual override until next programme change.
- Optional random switching facility.
- 1000 hours rechargeable memory back up.
- Controls 500W of fluorescent or low energy lighting.

Specification

- Timer Mode: 7 Day
- Operating Voltage: 230V AC
- Switch Rating 230V AC: 13 amp Resistive (3kW), Inductive 6A
- Operating Temperature: -10 to 40°C
- Temperature Range: 0°C to 35°C (control)
- Battery: Factory fitted, rechargeable, 1000 hours back-up
- Conforms to Directives: 73/23/EEC, 89/336/EEC
- Dimensions (mm): Width 60, Height 81, Depth 41

**INSTALLATION & OPERATING
INSTRUCTIONS**

COMPACT 7 DAY TIMESWITCH

Cat No. ETU17

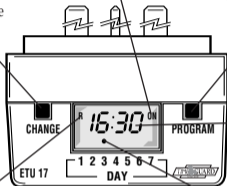


ETU17 - Compact Seven Day Timeswitch

Change Button
sets Day(s), Hours and Minute times, selects/cancels Random Mode and self cancelling override

Output Status
showing unit either ON or OFF

Programme Button
used to select the clock time and the 6 ON/OFF programme times and to review them once set



Easy view 24 hour digital clock/timer display

Random Select
Mode switches unit ON/OFF at random intervals between 10 & 30 minutes during programmed ON times giving the impression that your home or premises is always occupied

Day indicator
1 = Monday
7 = Sunday

Introduction

The ETU17 is a compact seven day timeswitch which has six programmes, each of which can be dedicated to 7 day, 5 day, 2 day or individual day operation. It has a random switching capability useful for security applications. It is also able to switch up to 500W of low energy (compact fluorescent) lamps or linear fluorescent tubes which is particularly useful as this type of energy efficient lighting is often used for security applications. The ETU17 is also well suited to control washing machines, tumble driers, dish washers and other appliances up to 13A (3kW).

Battery

This product has a factory fitted rechargeable battery. If the ETU17 is left out of a live socket for more than 1 month the display may go blank. In this case plug into a live socket, wait four hours, and apply reset - see section 1 before programming.

Programming Overview

This is a seven day (weekly) timeswitch which has six programmes, each of which can be block programmed to work on all of the five weekdays, both weekend days, or all 7 days (24 hour operation). Programmes can also be designated to operate on individual days. Only two setting buttons are required, <Change> and <Program>. In normal operating mode the <Change> button is used to switch ON or OFF, overriding the timeswitch until the next programmed OFF or ON time. During programming the <Change> button is used to set the hours, minutes and days. The <Program> button is used to select the clock time and day or the 6 programmed ON/OFF times and days and to review them once they have been set. Each time the <Program> button is pressed in programme mode the display will flash either the days, hours or minutes in turn, starting with the clock time and day then the first ON time and day(s), first OFF time, second ON time and day(s) etc. Wherever the days, hours or minutes are flashing they may be set using the <Change> button. Once set the <Program> button is pressed again to proceed to the next stage.

Normal Operating Mode

In normal operation the ETU17 will display the correct day and its time with the colon flashing. The output status will be shown by either ON or OFF on the display.



1. To Reset Before Programming

(To alter clock time or modify programmes - see section 5)

To clear programmes from memory and reset the ETU17 press the <Change> and <Program> buttons together until the display goes blank (approximately 3 seconds).

- iii **Minute Setting** - Press the <Program> button briefly to select the minutes - display shows clock symbol and minute digits flashing. Press the <Change> button to advance the minutes setting. For rapid minute selection press and hold down <Change> button. (Note: 16 hours shown as example of hours set)



- iv Press <Program> button briefly - clock is now set and display shows ready for the first ON programme time.



3 To Set Programme ON/OFF Times (after clock setting)

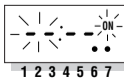
It must be remembered that the ETU17 has a total of six programmes.

- i The user is now able to set the day(s) that the first programme will operate on. The alternatives are:

1	2	3	4	5	6	7	
●	●	●	●	●			= 5 days (Weekdays) Mo Tu We Th Fr
					●	●	= 2 days (Weekend) Sa Su
●	●	●	●	●	●	●	= 7 days (Everyday) Mo Tu We Th Fr Sa Su
●							= Individual days starting with Mo through to Su

Initially dots 1 to 5 flash indicating that if this option were selected, the programme times about to be entered would operate over the five weekdays. If another option is required, the <change> button should be pressed until the correct day(s) flash.

- ii Once the day option has been selected press <Program> button briefly to select hour time - display shows hour digits and ON flashing. Press <Change> button to advance hour setting. (Note: 2 days (Sat & Sun) shown as examples of days set.)



Release the buttons and the display will fill with its complete range of characters and then clear to show clock and day 1 symbol flashing. This procedure is essential with a new ETU17 and is recommended if major reprogramming is required subsequently.



You are now in the clock setting mode at the beginning of the programme sequence

Programming sequence

Setting clock→	Programme 4 ON
Programme 1 ON	⋮	Programme 4 OFF
Programme 1 OFF	⋮	Programme 5 ON
Programme 2 ON	⋮	Programme 5 OFF
Programme 2 OFF	⋮	Programme 6 ON
Programme 3 ON	⋮	Programme 6 OFF
Programme 3 OFF	Operation Mode

Note: Pauses between button presses greater than 1 minute during programming will result in automatic return to the operating mode.

2. Setting Clock (after reset)

- i **Day Setting** - Press <Change> button to advance to the day required. Day 1 = Monday and Day 7 = Sunday.
- ii **Hour Setting** - Press the <Program> button briefly to select the hours - display shows clock symbol and the hours digits flashing.

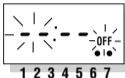
Press the <Change> button to advance the hour setting. For rapid hours selection press and hold down <Change> button. (Note: Monday shown as example of day set.)



- iii Press <Program> button briefly to select minutes - display shows minute digits and ON flashing. Press <Change> button to advance minute setting. (Note: 16 hours shown as example of hours set).



- iv Press <Program> button briefly - the first ON time is now set and display shows ready for the first OFF programme time.



- v Now set the hours and minutes as before. The day(s) selected remains the same.

- vi Repeat steps i to v to set the remainder of the 5 programme ON/OFF times and day(s) as required. Note: Any unused ON/OFF programmes must be left blank and should be bypassed by pressing and holding down the <Programme> button until the display shows normal operating mode. Do not programme '0's into unused programmes.

IMPORTANT After setting a clock time which falls within a programmed ON period, the unit will not switch ON. Press the <Change> button to switch the ETU17 ON (the ON will flash to indicate an override situation). After this the unit will operate normally to the programmes set.

4. Programme Review

To fast review the set programmes or for quick exit to normal operating mode - press and hold down the <Program> button. Normal review can be carried out by pressing the <Program> button briefly which reviews the clock time and day with the whole display flashing. Further brief pressing of this button reviews the programme ON and OFF times and day(s) in sequence again with the whole display flashing.

5. Making Changes to Clock Time and Programmes (Initiating Programme Mode)

This is required when making changes to the clock time/day or programme times/days and can be initiated any time during the normal operating mode. Press the <Program> button briefly and the clock symbol, day flag, hrs and minutes symbols on the display will flash - this is programme review mode. Further brief pressing of the <Program> button will display the ON and OFF programmes in sequence.

Having reached the clock time and day or programme time and day(s) requiring change, press the <Change> button briefly to initiate programme mode and then follow sections 2 and 3 as required. Having completed the change press and hold down the <Program> button until normal operating mode is reached and then release.

6. Cancelling Programmes

Any ON/OFF programme can be cancelled by clearing its ON and OFF time separately. Follow step 5 and when the ON programme to be cancelled is displayed press the <Change> button briefly and the day dot(s) will flash, press the <Program> button briefly to select the hours and press the <Change> button until the hour digits show --: then press the <Program> button briefly to clear the programme time. The display will show the hour and minute dashes and ON flashing. Repeat the procedure for the OFF time.

7. Programming Across Midnight

This can be achieved by programming the required ON time in the initial day and the required OFF time in the subsequent day. The unused times in these two programmes can either be left blank (--:--) or used for an OFF time during the initial day and an ON time during the subsequent day.

8. Self Cancelling Override

To change the output status from ON to OFF or vice versa press the <Change> button whilst in normal operating mode. The output status will change and indicate override is in operation by flashing either the ON or OFF symbol on the display. The override will end at the next programmed change, or sooner, if the <Change> button is pressed again.

9. Random Operation

By pressing the <Change> for around three seconds whilst in normal operating mode a small R appears on the display. The ETU17 will now switch ON and OFF in a random fashion during programmed ON periods. Both the ON and the OFF periods will vary in a random way between 10 and 31 minutes. Normal switching can be restored by pressing the <Change> button for around three seconds until the R symbol reappears.

10. Operation

Plug the ETU17 into a 13A socket and switch ON if necessary. Plug in the appliance or lamp(s) to be controlled into the ETU17 and ensure the appliance or lamp(s) are switched ON.

Specifications

- i Conforms to Directives: 73/23/EEC & 89/336/EEC.
- ii Permissible Loads:
 - 13A resistive (heating)
 - 5A inductive
 - 1hp motor
 - 500W low energy (compact fluorescent) and linear tube fluorescent lighting
 - 1.5kW filament (incandescent) lighting.
- iii Battery Back-up: 1000 hours by factory fitted rechargeable battery.
- iv Operating Ambient Temperature Range: -10°C to 35°C.
- v Operating Voltage: 230V AC.

Not suitable for discharge lighting (e.g. SON and Metal Halide).

THREE YEAR



GUARANTEE

3 Year Guarantee

In the unlikely event of this product becoming faulty, due to defective material or manufacture, within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge.

For the second and third years or any difficulty in the first year telephone the helpline on 020 8450 0515.

HELPLINE
020-8450-0515



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