

# 7 DAY ELECTRONIC TIME CONTROLLER

Cat No. ET03



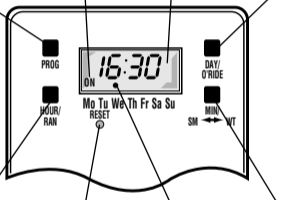
OPERATING  
INSTRUCTIONS

Selects the Clock time and the 6 ON/OFF times and reviews them once set

Output status

Easy view 24 hr digital clock/programme display

Sets Days and self cancelling override



Sets Hour times and selects/cancels Random mode

Clears display of all programmes and clock time

Day indicator

Sets Minute times and selects Summer/Winter changeover facility

## 1. Battery

This product has a factory fitted rechargeable battery. If the ET03 is left out of a live socket for more than one month the display may go blank. In this case plug into a live socket for 30 minutes then apply reset (see section 4) before programming.

## 2. Programming Overview

The ET03 is a seven day (weekly) timeswitch which will continuously repeat a weekly pattern of switchings for as long as it remains in a live socket. It has a total of six programmes each of which can be block programmed to work on all of the five weekdays, both weekend days, or all seven days (24 hour operation). Programmes can also be designated to operate on individual days. Four buttons are employed to give user friendly operation. The single function <Programme> button (which selects the programme or clock time to be set or changed) is used in conjunction with the three dual function buttons <Day/O'ride>, <Min/SM ↔ WT> and <Hour/Ran>.

These buttons change days, mins and hours respectively when the ET03 is being programmed and provide override, summer/winter time adjustment and random selection respectively when the ET03 is in operation mode.

### 3. Normal Operating Mode

In normal operation the ET03 will display the correct day and clock time with the colon flashing. The output status will be shown by either ON or OFF on the display. Day - Friday, Time - 16:35 shown as an example.



### 4. Resetting (Clearing Memory)

To reset the unit press the reset button (using a ball point pen or similar implement) until display disappears. Then release the button and the display will show all its segments prior to displaying OFF and 0:00 with the colon flashing. All of the ET03's memory has now been cleared and the unit is ready to be programmed. This procedure is essential for a new timeswitch and advisable when major re-programming is required.



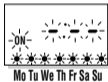
### 5. Setting Clock and Programmes After Reset (To alter clock time or modify programmes - see sections 7 and 8.)

### Programming sequence

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	:	Clock
Programme 4 ON	.....:	Operation Mode

### Setting Programmes

- Press the <Prog> button briefly and the display will show ready for the first programme ON time and day(s). The seven day programming option is displayed first with all the symbols apart from the colon flashing.
- With reference to the Programming Overview (see section 2), the unit has a total of six programmes, each of which can be dedicated to operate over the following groups of days:-

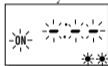


Mo Tu We Th Fr Sa Su

- ● ● ● ● ● ● = 7 days (Everyday)
- = Individual Days Starting with Mo through to Su
- ● ● ● ● = 5 days (Every Weekday)
- ● = 2 days (Weekend)

By holding down the <Day> button it is now possible to move through the sequence of alternatives shown above. When the correct day or group of days is reached release the button.

A move from one alternative to the next can be achieved by a brief press of the <Day> button. Weekend selection shown as an example.



Mo Tu We Th Fr Sa Su

- (iii) The hour for the ON time can now be selected by holding down the <Hour> button, releasing when the correct hour is almost reached. A move from one hour to the next can then be achieved by a brief press of the <Hour> button. 18 hours (6pm) selected shown as an example.



Mo Tu We Th Fr Sa Su

- (iv) The minutes for the ON time can now be selected by holding down the <Min> button releasing when the correct minute is almost reached.

A move from one minute to the next can be achieved by a brief press of the <Min> button. 12 minutes selected shown as an example.



Mo Tu We Th Fr Sa Su

- (v) Press the <Prog> button briefly - the first ON time is now set and the display shows ready for the first OFF programme time. The day(s) selected for the first ON time are already preselected for the first OFF time.



Mo Tu We Th Fr Sa Su

- (vi) The hours and minutes can now be selected as before.
- (vii) Repeat steps (i) to (vi) to set the remaining 5 ON/OFF times and day(s) as required. Any unused ON/OFF programmes must be left blank(-:-) and should be skipped by pressing the <Prog> button briefly and repeatedly until the display shows the clock symbol in the top left corner of the display. Do not programme '0's into unused programmes.



Mo Tu We Th Fr Sa Su

## Setting Clock

- (i) Hold the <Day> button down until the day dot is above the correct day of the week. The day dot can be advanced from one day to the next by pressing the <Day> button briefly. Wednesday selected shown as an example.
- (ii) Hold the <Hour> button down until the correct hour is almost reached and then press briefly and repeatedly until correct hour is displayed. 16 hours (4pm) selected shown as an example.
- (iii) Hold the <Min> button down until the correct minutes are almost reached and then press briefly and repeatedly until the correct minutes are displayed. 35 minutes selected shown as an example.



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Mo Tu We Th Fr Sa Su



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**IMPORTANT** After setting a clock time which falls within a programmed ON period, the unit will not switch ON. Press the <O'ride> button to switch the ET03 ON. After this the unit will operate normally to the programmes set.

## 6. Programme Review

To fast review the programmes or for a quick exit from programming to operating mode - hold down the <Prog> button until the clock time with colon flashing appears on the display. Normal review can be carried out by pressing the <Prog> button briefly which reviews the first programme ON time with the whole display except the colon flashing. Further pressing of this button will review the programme ON and OFF times in sequence and then the clock, again with the whole display except the colon flashing. After the clock has been reviewed the ET03 can be returned to the operating mode by one brief press of the <Prog> button.

## 7. Programme or Clock Changes

These can be made during review at any time. Use the <Prog> button to get to the correct programme or clock location and make the required changes using the <Day>, <Hour> and <Min> buttons as required. When all changes are made return to operating mode by holding down the <Prog> button until the clock time with colon flashing appears on the display.

## 8. Summer Time/Winter Time Changes

When changing from Summer Time to Winter Time the time is decreased (retarded) by one hour. When changing from Winter Time to Summer Time

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the time is increased (advanced) by one hour. To make this change easily and without the need to use normal programming a <Min/SM ↔ WT> button has been added. This button is pressed (in operating mode) until the clock symbol shows in the top left hand corner of the display (taking approx. 4 secs). When the button is released the clock and hour digit(s) flash. The <Hour> button can now be pressed briefly to decrease the hour figure by one (Summer Time to Winter Time change) or by 2 further brief presses to increase the hour figure by one (Winter Time to Summer Time change).

### **9. Cancelling Programmes**

Any programme can be cancelled by clearing its ON and OFF times. Follow the instruction in section 7 to locate the ON time requiring change and use the <Hour> button to get to -: (one after 23:) on the display. Repeat this for the OFF time. In each case the day(s) selected remains unchanged.

### **10. Self Cancelling Override**

To change the output status from OFF to ON or vice versa press the <O'ride> button. 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 programme change or sooner, if the <O'ride> button is pressed again.

### **11. Random Operation**

If the <Ran> button is held down in operating mode until an "R" symbol appears in the top right hand corner of the display (taking approx. 4 secs). The ET03 will now switch ON and OFF in a random fashion during programmed ON periods only giving an impression that your home is occupied. Note: The first period is always an ON period and the ON and OFF periods vary between 10 and 31 minutes in duration. To cancel hold down the <Ran> button until the "R" symbol disappears.

### **12. Specifications**

- Operating Temp: -10°C to 40°C
- Operating Voltage: 220 to 240V AC 50Hz
- Switching Capability: 13A (3kW) resistive, 2A inductive, 300W filament lamp
- Battery Back Up: Factory fitted rechargeable - 1000 hours back up
- EC Directives: Conforms to 73/23/EEC and 89/336/EEC

**Not suitable for use with low energy, fluorescent or discharge lighting.**