

24HR / 7DAY ELECTRONIC TIMESWITCH

Cat. No TG27



Operating Instructions



OPERATING INSTRUCTIONS

TG27 24hr/7 Day Electronic Timeswitch

Output ON indicator

Easy view 24hr, clock/programme display

Sets days or day combinations

Sets hours

Sets minutes

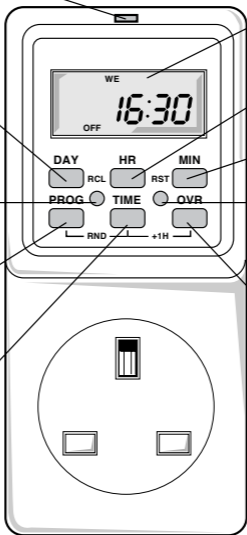
Suspends and recalls programmes

Resets (clears) clock and memory

Used to review and change timer programmes

Changes operating mode from AUTO (timer) to ON (permanently ON) or OFF (permanently OFF)

Enables clock time to be changed



General

An easy to programme electronic time controller, with a large 24 hour display, offering both 24 hr and 7 day programming options. 6 ON/OFF switching programmes are available which can be made to operate over all seven days, six days less sunday, five weekdays, 3 days (mon, wed, fri), 3 days (tues, thurs, sat), 2 weekend days or an individual day. Battery back-up retains programmes in event of mains failure and allows out of socket programming. The unit has the enhanced feature of random delay to both start and finish of all programmes when required.

Features

- Plug-in control
- 24 hour and 7 day programming options
- 6 ON/OFF switching programmes which can be made to operate over all 7 days (24 hr operation), six days less sunday, 5 weekdays, 3 days (mon, wed, fri), 3 days (tues, thurs, sat), 2 weekend days or an individual day.
- Self-cancelling override
- Permanent ON/OFF facility
- Large 24 hr digital clock/timer display
- Battery back-up retains programmes and allows out of socket programming
- Shortest switching time of 1 minute
- Programmes can be suspended from operation
- Programme review
- Output ON LED indicator
- Optional random delay to both start and finish of all programmes

Operation

1 Battery

The unit has a factory fitted rechargeable battery to allow out of socket programming and to give clock operation and memory back-up during loss of mains supply. If the display is not visible or is dim plug the unit into a live socket for 4 hours before resetting and programming.

2. Reset (RST)

The unit must be reset before programming for the first time or if the unit has been left out of a live socket for more than 100 hours (in which case plug the TG27 into a live socket for four hours before resetting).

Press RST using a pointed object (eg a pencil). Display will show its full set of characters and clear to show



3. Setting Clock

- i Press and continually hold down "Time" button whilst pressing "Day", "Hr" and "Min" buttons to set the correct day and time. Note: Rapid selection can be achieved by continually holding down either the "Hr" or "Min" buttons.

- ii Release the "Time" button.

The unit is now in its operating mode and displays the clock time and day of week with the colon between the hours and minutes flashing e.g.

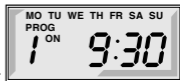
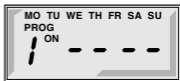


4. Setting 24 Hr Programmes

Note: during programming if no button is pressed in approximately 2 minutes the display will revert to operating mode.

The required programme can then be accessed again by repeatedly pressing the "Prog" button as required.

- i Press "Prog" button - display shows
- ii Set programme 1 ON time by pressing "Hr" and "Min" buttons eg
- iii Press "Prog" button and now set programme 1 OFF time using the "Hr" and "Min" buttons.



THE UNIT IS NOW PROGRAMMED

FOR A 24 HOUR OPERATION OF 1 ON/1 OFF TIME REPEATING DAILY INDEFINITELY.

- iv Repeat steps i to iii for further programmes up to a total of 6 (it is not necessary to use all 6 programmes but any unused programme times must be left blank (— — —)).

Note: The display will always show the numbered ON/OFF programme you are setting.

- v To set the unit into its operating mode always press the "Time" button after completing the ON/OFF programming. The display will then revert back to the clock display with the colon between the hours and minutes flashing - the unit's operating mode.
- vi Before using ensure that the unit output is correct to programme for the current clock time by using the "Ovr" button to get AUTO and ON or OFF as required on the display to the left of the time indication.

5. Setting 7 Day or Weekly Programmes

i Press "Prog" button and set programme 1 ON time using the "Hr" and "Min" buttons.

ii Repeatedly press the "Day" button to call up the day (s) required :- 6 days less Sunday, 5 weekdays, 3 days (Mon, Wed, Fri), 3 days (Tu, Th, Sa), 2 weekend days or an individual day e.g.



iii Press "Prog" button and display reverts to showing all of the days, then set 1 OFF time by pressing the "Hr" and "Min" buttons and finally press the "Day" button repeatedly to call up the required day (s). This selection could be different to that for the "ON" time if, for instance, a programme crossing midnight is required for a single day.

**THE UNIT IS NOW PROGRAMMED FOR 7 DAY (WEEKLY)
OPERATION OF 1 ON/1 OFF TIME OPERATING ON THE CHOSEN
DAYS REPEATING WEEKLY INDEFINITELY.**

- iv Continue programming in this way for up to 6 programmes leaving any unused programmes blank (— — —). On completion remember to set the unit into its operating mode by pressing the "Time" button.
- v Before using ensure that the unit output is correct to programme for the current clock time by using the "Ovr" button to get AUTO and ON or OFF as required on the display to the left of the time indication.

Note: a) There is no restriction on mixing 24 hr and Weekly Operation programmes within the maximum of six programmes.

b) There is no restriction on programming across midnight, the day for the programme ON time can be different to the day for the OFF time by up to six days if required.

6. Permanent ON/OFF and Self-cancelling Override

These can be selected when in operating mode by using the "Ovr" button. When the ON or OFF symbols appear along with the AUTO symbol the unit is in timer mode and is ON or OFF as indicated at the current clock time.

When the ON or OFF symbols appear alone the unit will be either permanently ON or OFF as indicated.

A temporary override (until the next programme change) can be achieved pressing the "Ovr" button to change by changing from OFF to ON or vice versa whilst keeping the AUTO symbol on the display.

7. Suspending a Programme

To suspend a programme from operation:-

- i Press "Prog" button until the ON or OFF programme you need to suspend is displayed.
- ii Using a pointed object (eg a pencil) press "Rcl" - programme time shown on the display will disappear. The programme is now suspended from operation until re-instated by pressing either the "Day", "Hr" or "Min" button when the programme in question is displayed.

If you require the corresponding OFF/ON programme to be suspended this must be carried out separately.

- iii Remember to return the unit to its operating mode by pressing the "Time" button.

8. Reviewing and Changing Programmes or Adjusting Clock Time

Repeated pressing of the "Prog" button will display each programme or unused setting in sequence. Programmes can be changed if required by using the "Hr", "Min" and "Day" buttons. Return to operating mode on completion by pressing the "Time" button. To adjust clock time press and continually hold down the "Time" button whilst pressing the "Hr", "Min" and "Day" buttons as necessary to adjust the hours, minutes and day. Then release the "Time" button to return to the operating mode.

9. Summer Winter Time Change-over

To make best use of this facility you will need to initially set the clock to winter time irrespective of the time of year. If it is summer time when you are setting up the unit then you will need to press the "Ovr" and "Time" buttons simultaneously to change the time by + 1 hour. This advance will then be indicated in the top right of the display. When winter time begins these two buttons can be pressed simultaneously to go back 1 hour.

10. Random Delay of Programme Start and Finish

Programmes can be started and stopped at random delay times from those programmed giving the appearance that the lights or other appliances are not being controlled by a time switch.

To do this press the "Prog" and "Time" buttons simultaneously when in operating mode. The **RND** symbol will appear on the right hand side of the display and will flash when the random delay period (between 2 and 32 min) is under way.

11. Operating the Controller

Plug the unit into a 13 amp socket and plug the appliance into the time controller and turn the appliance ON. When socket is switched ON (if necessary) the time controller will control the appliance. NOTE: The output ON indicator above the display will light up each time an ON programme is operational.

12. Uses

This timeswitch can be used to control domestic appliances such as heaters rated up to 13A (3KW), also tumble dryers, washing machines and dishwashers (except those requiring a permanent supply and which have a push button start).

Lighting which uses incandescent filament lamps rated up to a total of 400W or which uses up to a total of 100W of fluorescent tubes or low energy lamps can be controlled.

Helpline

If you are experiencing problems in operating your time controller, please ring our Helpline on 020 8450 0515.

Specifications

Switch Rating: 13 amp (3kW) resistive, 4 amp inductive,
400W filament lamps

Switch Voltage: 230V AC 50Hz

Operating Temp: 0°C to 40°C

Battery: Factory fitted rechargeable. Provides up to 100 hours of clock operation and memory back-up.

EC Directives: Conforms to 73/23/EEC and 89/336/EEC

Not suitable for discharge lighting.

Can be used with up to 100W of linear tube fluorescent or low energy lighting.



3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture, within 1 year of the date of purchase, please return it to your supplier with proof of purchase and it will be replaced free of charge. In the second and third years or any difficulty in the first please contact our helpline on 020 8450 0515.

For assistance with the product please contact:

HELPLINE

020-8450-0515

or email helpline@timeguard.com



For a product brochure please contact:

Timeguard Ltd.

Victory Park, 400 Edgware Road,
London NW2 6ND

020-8452-1112

or email csc@timeguard.com

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