



## Installation and Use Instructions 7 Day Electronic Timer (TE103)

These instructions are for your safety. Please read through them thoroughly before use and retain for future reference.

### Parts Supplied

| Ref  | Description                        | Illustration | Qty |
|--|------------------------------------|--------------|-----|
| A  | 24 Hr/7 Day Electric Digital Timer |              | 1   |
| Product Specification:<br>Contact Rating:<br>13 Amps Resistive<br>2 Amps Inductive<br>220-240V- 50Hz<br>Min. switching interval: 1 minute<br>Back-up battery: Rechargeable battery<br>Programming: Maximum 20 on/off with manual override<br>Working temperature: OC to +55°C<br>Accuracy/ deviation: within 1 minute each month |                                    |              |     |

### Tools Required (not supplied)

A pointed tool (e.g. a pen) is required for operating the RST and RND buttons.

### Setting the timer

#### 1. Initial Operation

1.1 Plug in the timer for approximately 6 minutes to charge rechargeable battery.

Note:

The timer contains a non-replaceable rechargeable battery. The battery is used to power the timer memory whilst the timer is unplugged (or if mains power is interrupted). If the timer is left unplugged for some time, the battery will run down and the current time and all programmes will be lost. If this occurs, plug in the timer to recharge the battery. The timer will operate regardless of battery condition so long as it remains plugged in.

1.2 Use a sharp object (e.g. a pencil) to press 'RST' (RESET) key to clear the memory.

#### 2. Setting Current Time

2a Set up the current time before you enter any ON/OFF programs.

2b Press "SET" key for about three seconds. The day of the week will start to flash.

2c Press '>' or '<-' key to set the current day of the week.

2d After the weekday is chosen, press "SET" key to confirm the weekday. The weekday will stop flashing and the hour will start to flash.

2e Press '>' or '<-' key to set the current hour.

2f After the hour is set, press "SET" key to confirm the hour. The hour will stop flashing and the minute will start to flash.

2g Press '>' or '<-' key to set the current minute.

2h After the current time is set, press "SET" key to confirm the current time you have adjusted.

Note: During current time setting, if you do not press any key within 10 seconds, time setting mode will cease and you will have to start again from 2a.

#### 3. Setting ON-OFF Programmes

Up to 20 programmes can be set in this timer.

3a Press ">" key to enter programming setting mode. The programme number will start to flash.

3b Press "->" or "<-" key, to select the programme number (between 1 and 20, ON time).

3c Press "SET" key. The weekday indicator will start to flash.

The timer can be set for any of the 7 individual days or one of 8 "Day Groups" (as shown below):

MO TU WE TH FR

SA SU

MO TU WE TH FR SA

MO WE FR

TU TH SA

MO TU WE

TH FR SA

MO TU WE TH FR SA SU

3d Press '>' or '<-' key to select the weekday or "day group".

3e After the weekday is chosen, press "SET" key to confirm the "week day". The weekday will stop flashing and the hour will start to flash.

3f Press ">" or "<-" key to set the current hour.

3g After the hour is set, press "SET" key to confirm the hour. The hour will stop flashing and the minute will start to flash.

3h Press ">" or "<-" key to set the minute.

3i Press "SET" to confirm the programme time which you have adjusted.

3j Repeat (3c-3i) to set up the programme OFF time.

3k After the programme is set, press "TIME" key to jump out of the setting mode.

During programme setting, if you do not press any key within 10 seconds, programme setting mode will cease and you will have to start again from 3a.

If during programme setting, you would like to stop setting programmes, pressing the "TIME" key will escape the programme setting mode.

Note- Overlapping programmes:

Please note the following in using the timer

Assuming that you have set two programmes, the timer will work as below.

Prog X: ON 9:00 (Monday) (Tuesday) (Wednesday)

OFF 13:00 (Monday) (Tuesday) (Wednesday)

Prog Y: ON 11:00 (Tuesday)

OFF 12:30 (Tuesday)

Monday after 9:00 (ON) (Prog X) after 13:00 (OFF) (Prog X)

Tuesday after 9:00 (ON) (Prog X) after 12:30 (OFF) (Prog Y)

Wednesday after 9:00 (ON) (Prog X) after 13:00 (OFF) (Prog X)

#### 4. Manual Override

The "OVER" button is a manual override switch. The timer status can be changed by pressing the "OVER" button.

To override program execution status, simply press "OVER" key to switch the output status in the sequence of

AUTO OFF->ON->AUTO ON->OFF

If the present timer status is AUTO ON and you would like to change it to AUTO OFF, just press the "OVER" button to change the status to AUTO OFF. The timer will be in AUTO OFF status until the next ON starting command.

If the present timer status is AUTO OFF and you would like to change it to AUTO ON, just press the "OVER" button to change the status to AUTO ON. The timer will be in AUTO ON status until the next OFF starting command.

The LCD displays the output status at all times as shown below

AUTO OFF: The timer is currently in OFF status and will be switched on under control of the programme.

AUTO ON : The timer is currently in ON status and will be switched off under control of the programme.

ON : The unit is in permanent ON status, regardless of programme.

OFF : The unit is in permanent OFF status, regardless of programme.

#### 5. Indicator Light

There is a red indicator light on the left side of the top next to the TIME button. The indicator lights up whenever the timer output is switched ON.

#### 6. Program Reset (RST button)

Pressing the "RST" button will clear all preset programmes and the current time setting.

## 7. Countdown Setting (Up to 24 hours)

The timer has a countdown function. This allows a fixed period (e.g. 2 hours) to be entered, then when the countdown (CTD) button is pressed, the timer will switch on for the set period and then switch off. The countdown period can be set as follows:

- 6a Press "<" key. The display "CTD" sign will come on and ON will flash.
- 6b Press "SET" key. The hour will start to flash.
- 6c Press "—" or "<" key to set the countdown hours.
- 6d Press "SET" key to confirm the hours. The hour will stop flashing and the minute will start to flash.
- 6e Press "-->" or "<-" key to set the countdown minutes.
- 6f Press "SET" key to confirm the minutes. The minute will stop flashing and the second will start to flash
- 6g Press "—" or "<-" key to set the countdown seconds.
- 6h Press "CTD" key to start the countdown

(Pressing the "OVER" key during countdown time setting will cancel the countdown time). During countdown time setting, if you do not press any key within 10 seconds, countdown setting mode will cease and you will have to start again from 6a. If during countdown setting, you would like to stop setting countdown, pressing the "TIME" key will escape the countdown setting mode.

After countdown starts, if you would like to see the current time, press "TIME" key and the current time will be shown. After about 2 seconds, the timer will go back to the countdown screen automatically.

After countdown starts, if you would like to stop it, press "CTD" key to stop the countdown. Pressing "CTD" key again will re-start the countdown. (The "Over" button has no effect during countdown.)

Once the countdown has terminated and you would like to go back to the current time screen, just press the "TIME" key.

## 8. Random ON and OFF Times

The timer has a random function, which will cause any programmes already set to be delayed by between 2 and 32 minutes (at random), so that the product under control does not come on and go off at the same times every day.

Pressing the "RND" button activates the Random function. The display will indicate "RNT3". If the random feature is used it is recommended that the time interval between the "ON" and "OFF" settings be at least 33 minutes, otherwise, it is possible that the programme may be missed altogether. The Random setting can be cancelled by pressing the "RND" button. Then the "RND" sign will disappear.

Note: Random mode will only work if at least one programme has already been set.

## 9. One Hour Advance For British Summer Time

Whilst holding down the "TIME" key, press the "<" button. The current time will advance one hour and the display will show (+1h) sign.

To cancel the "advance one hour" setting, hold down the "TIME" key and press the "<" button. The "+1h" sign will disappear.

## 10.12 Hrs (AM/PM) and 24 Hr Clock display changeover

Press and hold the "TIME" button for about three seconds. The time will change from AM/PM mode to 24 Hrs mode (or vice versa).

## Usage - Important

- 1 Do not exceed the current capacity of the timer.

This timer is rated at 13 Amps (resistive loads) and 2 Amps (inductive loads)

Typical resistive loads are:

Lamps  
Radios  
Simple Heaters, Radiators etc.

Inductive Loads include most motor-operated appliances, e.g.:

Fan heaters  
Washing Machines  
Dishwashers  
Tumble Driers  
Therefore the timer should **not** be used with these products if they exceed 2 Amps (48C Watts)

2. Do **not** use this timer with products which are not designed for unattended use, e.g.  
Fan heaters  
Open element heaters  
Power driven machinery
3. The timer is for indoor use only.
4. Always ensure the timer is firmly plugged into the wall socket, and the product being switched is plugged firmly into the timer. Do not use if the timer feels 'loose'.

## Care Instructions

1. If cleaning the timer is required, remove from mains power and wipe timer with a dry cloth.
2. Do not immerse timer in water or any other liquid.