



TS-ED1 Digital Time Switch

PRODUCT SPECIFICATION

Voltage	: 230/240V AC 50Hz
Max Load	: 16A, 3600W
Min Setting Time	: 1 Minute
Operating Temperature	: -10 to +40 °C
Accuracy	: +/-1 minute per month
Battery Backup	: NIMH 1.2V >100 hours
Function	:

- 8 ON/OFF programs
- Manual ON / Auto / Manual OFF
- Switchable 12/24 hour mode
- Summertime function ready
- 16 days setting combination, as below :
 - Mo | Tu | We | Th | Fr | Sa | Su
 - Mo, Tu, We, Th, Fr, Sa, Su
 - Mo, Tu, We, Th, Fr, Sa
 - Mo, Tu, We, Th, Fr
 - Mo, We, Fr, Su
 - Mo, We, Fr
 - Tu, Th, Sa
 - Mo, Tu, We
 - Th, Fr, Sa
 - Sa, Su
- Random setting execution for delay from 0 to 32 mins.

INITIAL OPERATION

1. Plug the timer into a regular 220 VAC electrical socket and turn on
2. Leave for approximately 12 hours to charge the Memory Back Up batteries
3. After charging press the **MASTER CLEAR** button
4. The timer is now ready to be set up for use

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SETTING CURRENT TIME

1. To set current day, press and hold the **CLOCK** button, press the **WEEK** button simultaneously until the actual day is displayed.
2. To set current hour and minute, continue by pressing **HOURL** or **MINUTE** button until the current hour or minute is displayed.
When setting, the buttons **WEEK**, **HOURL** or **MINUTE** can be held down for rapid forward counting.
3. Release both buttons. The week and time will be set.

SETTING PROGRAMS

1. To start the **ON** setting, press the **TIMER** button and release.
2. Press **WEEK** button to set the day/s, choose the day combination. Then, press the **HOURL** button and **MINUTE** button to set the time.
3. To finish the **ON** setting and starting the **OFF** setting, press the **TIMER** button again. Do step no 2 to set the day/s and time for **OFF** setting.
4. Repeat step 1 to 3 to set the programs.
5. After setting the programs press the **CLOCK** button, to execute.
6. Press **RES/REC** button once, to stop the programs and press **RES/REC** button twice, to recall the programs.

Example :

For set the **TIMER ON** at 18:15 and **TIMER OFF** at 22:15 everyday

- a. Press **TIMER** and the LCD displays 1_ON
- b. Press **WEEK** till LCD displays "MO, TU, WE, TH, FR, SA, SU"
- c. Press **HOURL** till LCD displays 6:00PM or 18:00
- d. Press **MINUTE** till LCD displays 6:15PM or 18:15
- e. Press **TIMER** again and LCD displays 1_OFF
- f. Repeat the above c. and d. till LCD displays 10:15PM or 22:15



ON/AUTO/OFF SETTING

1. Press **ON/AUTO/OFF** button to chose the setting mode.
2. When the mode is turned from **MANUAL ON** or **MANUAL OFF** to **AUTO**, the Timer will keep the setting of **MANUAL** until to the next timer setting.

12/24 HOUR SETTING

Press **CLOCK** and **TIMER** simultaneously to turn between 12 or 24 Hour mode.

SUMMERTIME FUNCTION

1. Press **CLOCK** and **ON/AUTO/OFF** buttons simultaneously in **AUTO** mode.
The display will show **SUMMER**.
2. The clock will set back one hour.
3. Press the two buttons again to revert to Winter mode.