Innovative Pool Products TE 501 and ET-1 Instructions
24 Hour / 7 day digital electronic timer.

Rechargeable Battery Backup.   **Random function.**
6 ON and 6 OFF Memory Locations.   **Manual override with permanent control or automatic control.**
24 hours, 7 days, weekday and weekend programming.   **Summer/Winter time change over.**

1.1   Operation
1.1 power on the main switch for approx. 6 minutes to charge the unit.
1.2 Use a pointed object (e.g a pencil) to Press RST (reset) button to delete all previous programming.

2   Manual Operation
The LCD display the output status as-
AUTO OFF: The unit is under control by program in the OFF status
AUTO ON: The unit is under control by program in the ON status
ON: The unit is permanently in ON status
OFF: The unit is permanently in OFF status

To **OVERRIDE** program execution status, press the (override) key to switch the output status in the sequence: **(AUTO-OFF) - (ON) - (AUTO ON) - (OFF)**

Note: Be sure to set the output status in the <u>AUTO ON or AUTO OFF</u> status to avoid missing execution of programmed times.

3.   Setting Time
Set up current time before you enter any ON/OFF programs
3.1   Keep TIME key pressed while you are setting or correcting the current time
3.2   Press DAY key to advance to current day.
3.3   Press HR Hour key to advance one hour
3.4   Press MIN (minute) key once to advance one minute

Note: Pressing the keys Day, HR, or MIN for more than 2 seconds, a fast run through is carried out.

4.   Programming Times
4.1   Press PRG (programming) key once. You will see "PROG 1 ON" on the LCD display which indicates the switch ON time command to be entered.
4.2   The Default is for ALL DAYS, if you would like to program for specific days of the week, Press DAY key to choose the day groups you wish to switch on the appliance . The day groups will advance in the sequence of (MO-Tu-WE-Th-Fr-SA-SU) (MO-TU-WE-TH-FR) (SA-SU) (MO-TU-WE-TH-FR-SA) (MO-WE-FR) (Tu-TH-SA).
4.3   Press HR (hour) once to advance to hour.
4.4   Press MIN (minute) key to advance one minute.
4.5   Press PRG key again to advance to next "PROG 1OFF " which indicates the switch-off time command to be entered, Then follow the steps 4.2-4.5 to through the rest programming. There are a total of 6 "OFF" programming memory locations.
4.6   Be sure to Press the time key after programming / review the contents of the memory locations, otherwise these switching times will not be executed. The Timer will automatically switch to current time mode if no key is pressed for 2 minutes.
Note: Pressing the key DAY, HR, or Min for more than 2 seconds, a fast run through will be carried out.

5.   Clearing a Program using the Recall Function.
To erase one of the Programmed Times you can use the RCL (recall) key to enable or disable the executing of the program.
5.1   Press the PRG (program) key until the preset memory location is present .
5.2   Use a pointed object (e.g pencil) to depess the RCL (recall) to enable or disable the switching command.
5.3   The display shows'--:--' for the hour and Minute indicating that the specified memory location will not be executed. If it shows the present contents of hour and minute this indicates that the specified memory location will be executed.
5.4   The preset memory will be recalled once you Press the key DAY, HR, MIN, if the memory is in disable status. (LCD display **--:--**)
Note: Be sure to Press the TIME key after programming review of the contents of memory locations, otherwise these switching times will not be executed.

6. Summer / Winter
It is possible to change the summer to winter time with the aid of this function easily.
6.1 To change to summer from winter time-Keep TIME pressed while Pressing the override key to change the current time to summer time. The LCD will indicate the 1h sign and the current time will be advance one hour.
6.2 To change from Winter to summer time- Simply perform steps 5.1 the 1hr sign will disappear and the current time will retard one hour.
Note: It is recommended to set the winter time for the first time or after RESET, so that this function could be used clearly.

7. Random Function
You will have the advantage of preventing a break in or theft by using the random function in conjunction with the appliance connected to this unit. The programmed memories you have preset will be executed in a random delay from 2-32 minutes by using this function
7.1 Keep TIME key pressed while Pressing PRG key. The LCD display will indicate RND sign to remind the user that the random function is active.
7.2 To cancel the random function. Keep TIME key pressed while Pressing PRG key and the RND sign will disappear from LCD display.
Note: 1. It is recommended to set the programming time for at least 33 minutes between each setting and to set the output status in the AUTO On or Auto Off status, so that this function could be used clearly.
Note: 2.During the random delay time, the RND sign will flash until the On or OFF output. But the random relay time will be interrupted by manual operation.