

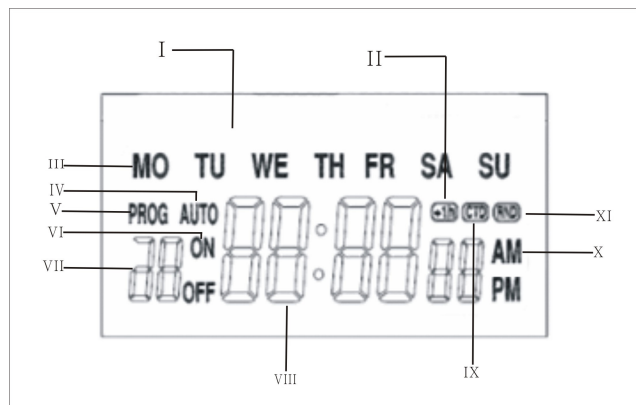
Instruction Manual for TS52 Timer

Please read the following instructions carefully before using this timer.

Features:

- *Easy set up
- *20 ON/OFF settings per day, 140 ON/OFF settings per week
- *Minimum setting interval is 1 minute
- *100 hours countdown time
- *Random function
- *Summer/winter time optional
- *AM/PM,24 hours display
- * Rechargeable Ni-MH battery , save the time and program settings for 2 years when unit is unplugged or there is a power outage.

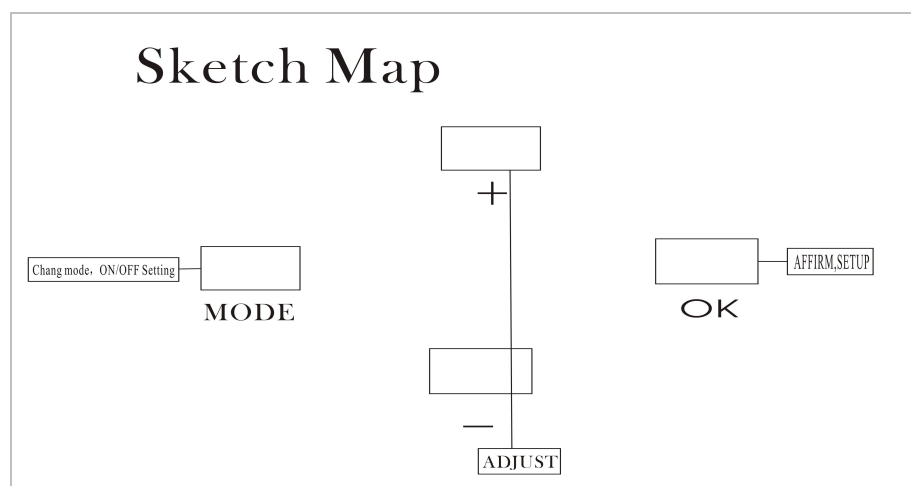
LCD Panel



- I. LCD display area;
- II. Summer Time;
- III. Week days;
- IV. Mode- Manual On, Auto, Manual Off;
- V. Program setting;

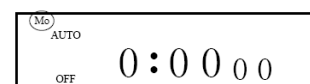
- VI. Manual ON/OFF showing;
- VII. Programme number;
- VIII. Real-Time;
- IX. Countdown function;
- X. AM/PM;
- XI. Random function.

Operation

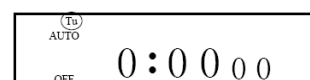


Set the Real-Time Clock

1) Press button OK for 3 seconds, "WEEK" flashes;

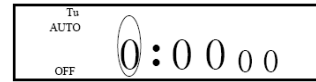


2) Press button + or -, 'WEEK DAY' changes as following : Mo -> Tu -> We -> Th -> Fr -> Sa -

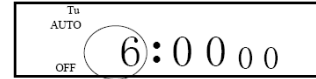


> Su. Hold button + or -, 'WEEK DAY' changes quickly as 4 times/sec.;

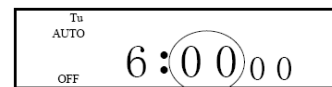
3) Press button OK to confirm the selected weekday and meanwhile 'HOUR' flashes;



4) Press button + or - , and "HOUR" changes. Hold button + or - , "HOUR" changes quickly as 4 times/sec.;

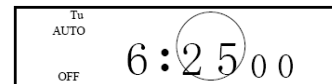


5) Press button OK to confirm the selected hour and 'MINUTE' flashes at the same time.



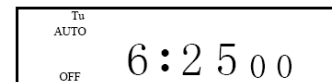
6) Press button + or - , and 'MINUTE' changes.

Hold button + or - , 'MINUTE' changes quickly as 4 times/sec.;



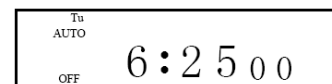
7) Press button OK to confirm the selected minute.

Seconds will automatically reset to zero.

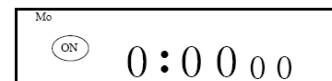


Press button MODE, The display will change as sketched:

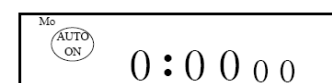
--Timer is in AUTO OFF state



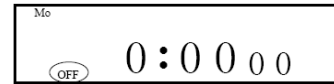
--Timer is in MANUAL ON state



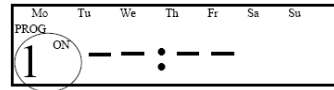
--Timer is in AUTO ON state



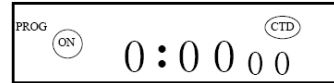
--Timer is in MANUAL OFF state



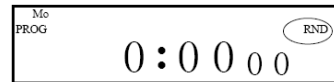
--Timer is in PROGRAMME state



--Timer is in COUNTDOWN state

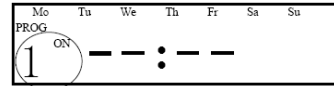


--Timer is in RANDOM state



Set the programme(switch on/off)

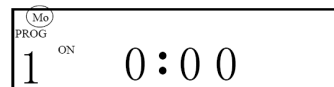
1)After the time is set, press button MODE and
meanwhile '1 ON' flashes with a blank
display;



2)Press button OK to confirm to enter '1 ON'
mode, meanwhile "WEEK" flashes;



3)Press button + or - to advance to WEEK DAY,
the display will show as following order:



* Mo; *Tu; *We; *Th; *Fr; *Sa; *Su;

* Mo We Fr;

* Tu Th Sa;

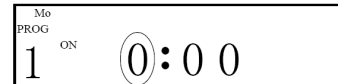
* Mo Tu We;

* Th Fr Sa; * Mo Tu We Th Fr ; * Mo Tu We Th Fr Sa; * Sa, Su; * Mo Tu We

Th Fr Sa Su;

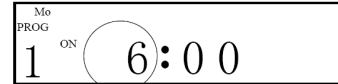
Hold button + or -, WEEK DAY changes quickly as 4 times/sec.;

4) Press button OK to confirm the desired day,



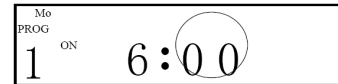
"HOUR" flashes at the same time;

5) Press button + or - to select 'HOUR'. And hold it,



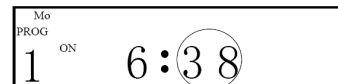
'HOUR' continuously changes as 4 times/sec.;

6) Press button OK to confirm 'HOUR', meanwhile



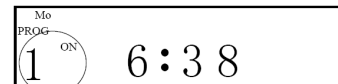
"MINUTE" flashes;

7) Press button + or - to adjust 'MINUTE'. And



hold it, 'MINUTE' continuously changes as 4 times/sec.;

8) Press button OK for confirmation. Press button

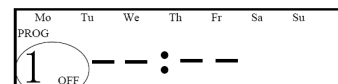


+ and - at the same time to clear the setting of '1

ON'; The setting of '1 ON' can be cancelled under any states; Press '+' and

'-' at the same time again to resume '1 ON' setting;

9) Once the 1 ON time is set, press button + once.



The display will now show blinking 1 OFF; while

press button - to enter '20 OFF' setting;

10) Repeat steps 2-8 for the '1 OFF' settings;

11) Do the same above steps to complete 2 ON, 2 OFF.....20 ON, 20 OFF.

NOTE: *After 1 ON/1 OFF time is set, the follow-up setting for the ON/OFF time can not overlap with the time of 1 ON/1 OFF.

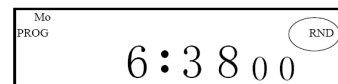
*When all the programs are set, press button MODE to review 1 ON/OFF, press button + or - to review 2 ON/OFF...20 ON/OFF.

*When timer is under Programme state, press button OK firstly to confirm, then press button + and - at the same time to clear ON/OFF setting; do the same step to resume it.

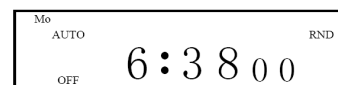
Reset all the programs

Press button R with a ball-pen to clear the clock and all the programs.

Random Function (RND)

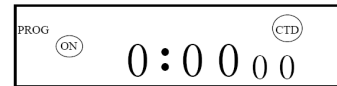


Press button MODE when the real-time displays, until 'RND' showing on LCD; Press button OK for confirmation.



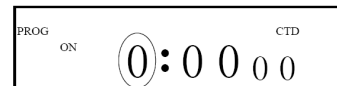
Note: It switches unit ON/OFF at random intervals between 2 minutes and 30 minutes during programmed ON times giving the impression that your home or premises always occupied.

Countdown Function (CTD)



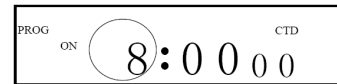
1) Press button MODE when the real-time displays until [CTD] shows on LCD;

2) Press button OK to confirm to enter 'CTD-ON'



setting, meanwhile 'HOUR' flashes;

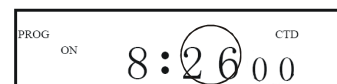
3) Press button + or - to get the correct hour, hold it,



'HOUR' continuously changes as 4 times/sec.;

4) Press button OK to confirm 'HOUR' setting, "MINUTE" flashes at the same time;

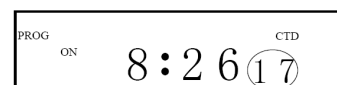
5) Press button + or - to set 'MINUTE', hold it,



'MINUTE' continuously changes' as 4 times/sec.;

6) Press button OK to confirm 'MINUTE' setting, meanwhile "SECOND" flashes;

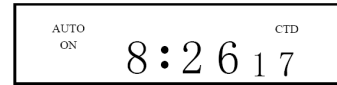
7) Press button + or - to set 'SECOND', hold it,



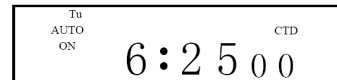
'SECOND' continuously changes as 4

times/sec.;

8) Press button OK to confirm, this will put the timer in the mode of running countdown time.

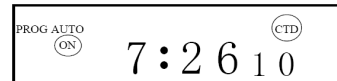


9) Press button MODE to show the real-time for 3 seconds or press button OK to return to countdown running;

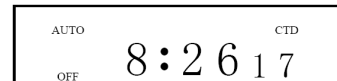


10) Stop running of countdown

- Press button MODE until 'CTD' displayed on LCD;



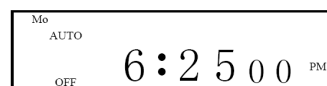
- Press button OK to stop running of countdown;



Summer/Winter time switch

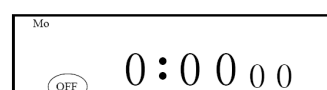
Press button + for 3 seconds, one hour will be automatically added on the real-time, and '+1h' appears on the display; Press button + for 3 seconds again, the real-time will be resumed as previously and '+1h' disappears from LCD(show normal time);

AM/PM, 24 Hours display switch



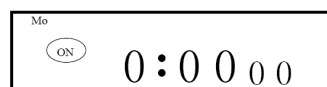
Press button - for 3 seconds to switch 12/24 hours mode. When 'AM' or 'PM' shows on the display, 12:00 AM means midnight, while 12:00 PM means 12:00 at noon.

Manual OFF



Press button MODE until the display indicates 'OFF'; Press button OK to confirm, timer is in the "OFF" mode

Manual On



Press button MODE until the display indicates 'ON';

Press button OK to confirm, timer is in the "ON" mode.

NOTES:

1、 The programme set, Countdown and Randcom function will be effected only if timer is in the AUTO/ON or AUTO/OFF mode;

2、 The priority of functions: Countdown, Random, Programme;

CAUTIONS:

- Do not connect this timer to another timer.
- Do not connect this timer directly to the working device.

- Do not overload the timer. Be sure that the appliance you wish to control does not exceed the maximum load showed on the rating label of the product.
- Indoor use only.
- Avoid putting it in the moist place, or in which the temperature is too high or too low, or where is easy to collided and shake
- Do not disassemble this timer by yourself
- Clean the housing and the LCD with soft cloth, don't wash it with the corrosive chemical reagent and soak with water.