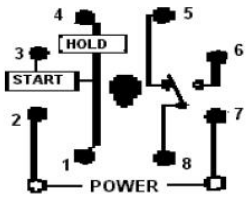
INSTRUCTION MANUAL FOR TIMER SP3-48





1. Turn power on and will see the timing mode, LED display shows 4 digits.
2. S/R Can start or reset timer according to which mode is using.
3. 《/MODE and ^ can change set time. During changing, the selected digit will flash.
   And if no one key is pressing, timer will save the change number after 5 seconds automatically..
4. Press 《/MODE and hold 5 seconds can enter inside mode, to change :
   A. Desired time range
   B. Count UP/DOWN (press 《/MODE again)
   C. START/RESET mode (press 《/MODE again)
   D. Power off memory (press 《/MODE again)

4-A Change time range:
When enter this mode, a small spot LED will show on different position according built in **8** ranges.

User can call each range by pressing ^ .
If display shown:

" ***9999*** " = ***9999hr*** (small spot **NOT APPEAR**)
" ***9999.*** " = ***9999min*** (small spot **FLASH**)
" ***999.9*** " = ***999.9min*** (small spot **FLASH**)
" ***9999.*** " = ***9999sec*** (small spot **NOT FLASH**)
" ***999.9*** " = ***999.9sec*** (small spot **NOT FLASH**)
" ***99:99*** " = ***99.99sec*** (small spot **NOT FLASH**)

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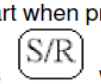
" ***99:59*** " = ***99m59s*** (small spot **NOT FLASH**)
" ***99:59*** " = ***99h95m*** (small spot **FLASH**)

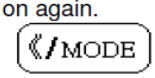
Please note :
Although the unit allow users change time range during timing, we do NOT suggest users changing time range while count time to avoid error output.

4-B. Change count UP/DOWN : (press )
display shown:
" UP " timer start from 0 to set number. (count up)
" dn " timer start from set number to 0. (count down)

4-C. Change start/rest mode : (press )
display shown:
" 0 " imer start when power is on,
Close pin 1, 3 can restart timer.
" 1 " timer start when Close PIN 1, 3.
Open pin 1, 3 will halt timer,
Close pin 1, 3 timer restart.
" 2 " timer start when Close PIN 1, 3.
Open pin 1, 3 will reset timer, close PIN 1, 3 timer restart again.
" 3 " timer start when press 
Press  will restart timer again.
" 4 " Timer is in **DELAY OFF** type. Timer start and relay output when press .
Press  will restart timer again.
" 5 " Timer is in **CYLIC** type.Relay output on-off interval, and small spot LED ON-OFF
show at on and off.

Note : 1. Timer is always is **DELAY ON** type EXCEPT mode 4
2. Close pin 1, 4 can halt timing. Open pin 1, 4 timing continued.

4-D. Change power off memory: (press )
display shown: " no. 0 " Timer will clear timing data when power is off.
" no. 1 " Timer will keep the last data if power off, and show the last timing data
when power turns on again.

5. To save changed data and come out from inside function, press  for 3 seconds,
or you can wait for 20 seconds and don` t press any key.Timer will save data and return to timing mode atomatically.