

THC15A-I Microcomputer Time Switch Instruction

Function and purposes


- The maximum is 16 on/off per day. It is easy to set up 16 different sets each day.
The shortest interval is one minute. It is manual or automatic, and with the function of sleep, auto- calibration time, 24-hour clock conversion and countdown function.
- Direct connection. It is small size, low power consumption, extra-wide operating temperature range, anti-jamming ability, easy installation and so on.
- It can control the neon signs, advertising lights, street lighting and automatic water supply and feed in aquaculture, the machine automatically moves and automatic control of a variety of electrical cabinets, distribution boxes and so on. In the family can turn on and turn off the lights, timing open and close the TV, Air-conditioner and other household appliances, so that your family early enter into the Intelligentization.

Performance


- Standard Voltage: AC220V/50/60Hz
- power range: 180-250V
- Resistive load switching capacity: 16A
- Contacts: one normally open and one normally closed
- Power consumption: <2VA
- Display Devices: LED display
- Set Switch Views: 16 on and 16 off
- Minimum switching time: 1 minute
- timing range: 1MIN ~ 168HOUR
- Timing Error: $\leq \pm 0.5 \text{ sec / day}$
- Electrical Life: 100000 times (rated load)
- Mechanical life: 10 million times
- Operational temperature: -30 °C ~ 80 °C
- Storage Temperature: -40 °C ~ 100 °C
- Relative humidity: <95% RH

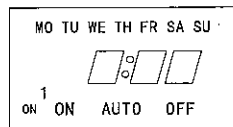
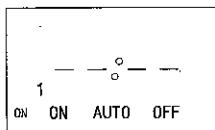
Instructions


- Set the current time

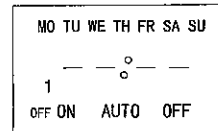
Hold down the clock button  while holding down the H + , M + or D + keys to adjust hours, minutes and days to make LCD screen show the current time.

- Procedures Time Settings

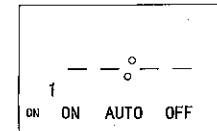
- Press  key to make the product into the set state, at this time the screen displays:
- set the time of ON for the first operation. press D + , H + , M + keys, at this time the LCD screen displays:



- Adjust D + , H + , M + until reach the time you need, once again press  button. This LCD screen displays:



- set the time of OFF for the first operation as set ON time. repeat to set 16 groups of on / off time. If you don't need all of group, you can press manual key, so that you can cancel your set-up time, it displays:



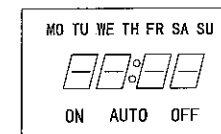
- nine kinds of automatic on / off timing, use the following procedure combination of setting can reduce the set-up steps.

- One day of the week
- Monday, Wednesday, Friday
- Tuesday, Thursday, Saturday
- Saturday to Sunday
- Monday, Tuesday, Wednesday
- Thursday, Friday, Saturday
- Monday to Friday
- Monday to Saturday
- Monday to Sunday

When there is without any key operation in 30seconds after completing the setting process, the system will automatically switch to the current time. Or press the clock button can also be switched to the current time.

Manual Function


Press "Manual" key several times the LCD screen will show "ON, AUTO, OFF" respectively showing that a product is open mode, automatic mode and off mode. Select the automatic mode, the timer will be set based on your program to run automatically to control the time.

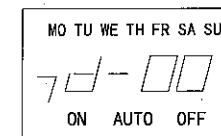


Reset

Press the RESET button, the entire system will restart.

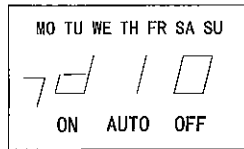
Automatically adjust the time

Press the Manual key and "  ", it displays:



Into the current interface you can press **D** + key to adjust the time.

- If every week lessen 10 seconds, press **D** + key to plus 10 seconds, the screen displays



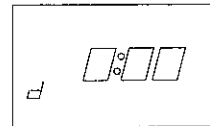
System automatically adjust the error time every week according to your settings, Automatically adjust time: ± 30 s

Hibernation settings:

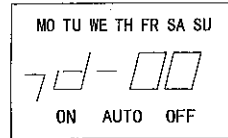
At the same time press the **D** + and **H** + keys, system can enter the sleep state. At this time LCD screen does not show, if you want to open, press the RESET button to restart the system.

Countdown features:

- At the same time press the "**P**" button and clock keys "⌚" for 3 seconds, the screen displays:
- Press the clock button "⌚", while press respectively **H** + and **M** + button to set the countdown time and up to 24-hour clock conversion.
- Press **Manual** key to start the countdown.
- press "**P**" key to stop the countdown.
- At the same time press the "**P**" button and clock keys "⌚" for 3 seconds to end the countdown.



- If every week adds 10 seconds, press **D** + button to reduce 10 seconds, the screen displays:

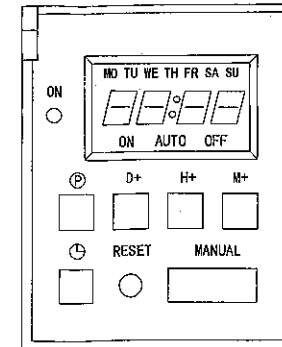


12-hour and 24-hour clock conversion:

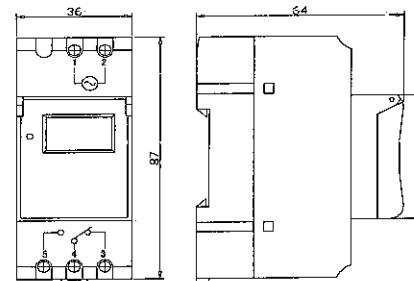
Boot time, when the controller defaults to a 24-hour system, if you need 12-hour clock, press the clock key "⌚" 3 seconds, when upper left corner on LCD screen displays AM, it provides 12-hour system, then press the clock key "⌚" 3 seconds, back to 24-hour system, ICON AM closes, (12-hour system: AM for morning, PM for afternoon).

Panel Function Keys Description:

- "D +" - set the day
- "H +" - set the hours
- "M +" - set the minutes
- "RESET" - Reset
- "Manual" - Cancel / recover settings, or manual, automatic
- "**P**" - Set time control procedures
- "⌚" - Clock Keys
- "ON" - LED indicator

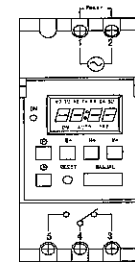


Installation size:



DIN standard size, DIN35MM standard rail mounting

Wiring Diagram:



Attentions

- at the first time, or after a long time without use, when the controller without display, it should be in power for 5 seconds, press the RESET button to turn on
- it can not exceed the maximum power load range.
- This product is best not to link to tube heater which is without watch or the heater with electric wires.
- Do not place where is humid or the temperature is too high or too low. Don't place where is vulnerable to impact or vibrate.
- you can not open the timer by yourself, maintenance should be looking for professionals.
- use a soft cloth to clear LCD screen and shelf, don't use corrosive chemical cleaning agents or immerse in water.
- if the product is in the sleep state, press RESET button can boot,