

KG316T Micro computer timer switch 1-circuit



Function:

The product can open and close all kinds of power supply automatically according to the user's time. The control objects can be road lamp, neon lamp, billboard, producing equipment, broadcast TV, and all that the circuit fixtures and home appliances need setting time to control.

Technical index:

1. Working voltage: 220V/50Hz
2. Applicable voltage range: 160V~240V
3. Switch capacity: Residence 25A, Sensible 20A
4. Consumed power: <1W
5. No effect from power cut, charge automatically inside
6. Can set 10 ON and 10 OFF at most everyday, manual and automatically
7. Work circularly according to designed procedure by week or by day
8. Time-lapse range: 1 min~ 168 Hrs
9. Environmental temperature: -20°C~60°C
10. Time error: <0.5s/day
11. Environmental humidity:<95%
12. Net weight: 430g

Instructions

Time setting

When reading the manual, user shall make clear the keys on the panel and operate it.

1. Adjust clock:

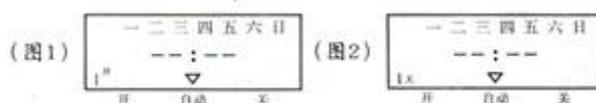
The products have been adjusted well when ex-factory. If you need readjust, please press the clock key, at the same time, press the week key, thus finish the week adjustment. The rest may be deduced by analogy.

2. Set the first open time:

Press the timer key, LCD screen shall appear (see picture 1), then press hour key and second key, put in the open time.

3. Set the first close time:

Press the timer key again, LCD screen shall appear (see picture 2), then press hour key and second key, put in the close time.

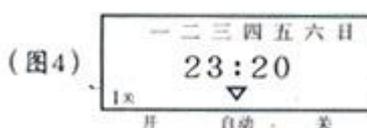
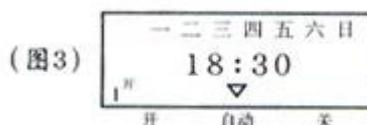


4. Press the timer key continually, the bottom left of LCD screen shall appear in turn (two ON and two OFF,six ON and six OFF,ten ON and ten OFF), refer to step 2 and 3 to set future open and close time. If open and close one time in one day, you must press Reset/Recall key to remove all the deposited time (two ON and two OFF,six ON and six OFF,ten ON and ten OFF), making the LCD show "-- : --" mark.

5. After finishing the timer setting, press clock key, or not press any key within 30 seconds, making LCD show the Beijing time.

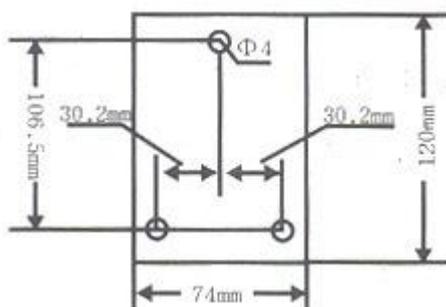
6. After engaging the power supply, if the indicator lamp only shows red, which means the circuit is with electricity. If the indicator lamps show both red and green, which means the switch is connected.

7. Pressing Auto/Manu key can open or close circuit directly. If you want the switch automatically work, please press Auto/Manu key first, and adjust the mark under the LCD to the close position, and then press it again to adjust to the Auto position. For example: Open at 18:30 P.M. (See picture 3, introduced in step 2) and close at 23:20 P.M. automatically everyday (See picture 4, introduced in step 3), and the following is to adjust the LCD to be "-- : --" marked (Introduced in step4), and operate as introduced in step 5,6, 7.



- Press timer key, and then press week key, thus can set same or different combinations of Mon, Wed, Fri or Tue, Thu, Sat, or Mon, Tue, Wed, or Thu, Fri, Sat. and set same from Mon to Fri, or Sat. to Sunday.

Mounting size



Connection methods

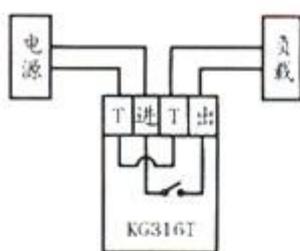


图 1

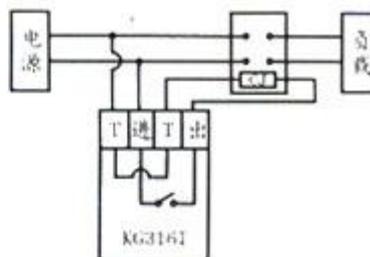


图 2

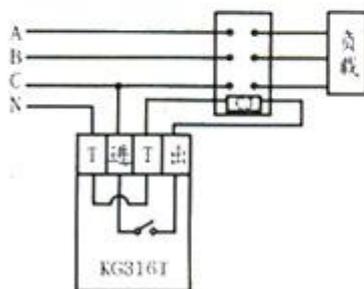


图 3

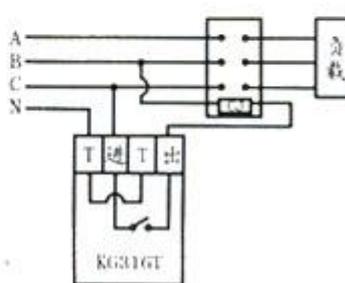


图 4

1. Direct control connection

The controlled equipment shall be single-phase power supply, and the power shall not beyond the rated capacity (Resistibility loading 25A, sensibility loading 20A), is available for direct control method. See picture 1.

2. Single phase and extended capacity connection

The controlled equipment is single-phase power supply, but the power is beyond the rated capacity (Resistibility loading 25A, sensibility loading 20A), then you shall need an AC contactor

to extend the capacity. See picture 2.

3. Three-phases connection

The controlled equipment is three-phase power supply, which need a three-phase AC contactor connected outside. The loop of the AC contactor is AC220V, 50Hz. See picture 3. And if the loop is AC380V, 50Hz, then see picture 4.

When you think it at fault

- If the switch has not open at the open time, or close not at the close time after opening, it maybe the week adjustment goes wrong, please check or readjust it according to the methods of the timer setting introduction.
- If you confirm the open and close time have been right adjusted, but the switch open or close at the wrong time, it maybe redundant time settings have not be removed, please remove them according to the methods of the timer setting introduction. (Note: The timer shows “-- : -- ” is OK instead of “00:00”.)
- If the above two are all right, but the switch doesn't work normally, maybe the Auto/Manu key is wrongly done, please check mark▼of open, auto, close, and adjust it to be current time, then back at the auto position.
- If the switch has not work normally yet, please open the rear fuse cover (terminal panel), check whether the fuse break off or not, if yes, please change it with new fuse of 0.1A~0.3A.
- If the above several methods still can't remove the faults, please contact our company or local distributor.

Attentions

- For the equipment which has possible accident caused by the timer switch going wrong, or the equipment which has great effect to the society such as medical treatment equipment and large-scale equipment, etc., Please don't use our timer switch.
- For the equipments (large-scale ones such as heat warehouse or refrigeratory, etc.) which have the possible great belongings losing caused by the timer switch goes wrong, please be sure to have enough space for the properties and performance value, and take measures such as double circuit for secure, when you use our timer switch.
- Don't repair, disassemble, change, and check it by yourself.
- Please be sure to entrust distributor or builder.
- Don't touch terminal part after connecting power supply.
- The switch works at non-humidity, corrosion proof and free from high metal-contained gas environment. Please don't touch with oil or water.