


YCKG7

Time control switch

OPERATION INSTRUCTION

CNC

Deliver
Power For Better Life

-  Before installing and using this product, please read this manual carefully and pay more attention to safety.

1. Description

1.1 Application

It is applicable to the control circuit with AC 50/60Hz voltage of 380V and below as a delay timing element. It can connect or disconnect the power supply of various control circuits according to the predetermined time. It is applicable to street lights, neon lights, advertising signs, radio and television equipment and various household appliances.

1.2 Type and meaning



1.3 Normal working conditions and installation conditions

1.3 Use environment: the altitude does not exceed 2000 meters; Ambient temperature is not higher than +The variation range of rated control power voltage at 40 °C and no less than - 5 °C is 85% - 110%Constant voltage; In the medium without serious vibration and explosion hazard, and there is no gas and dust sufficient to corrode metal and damage insulation; In places where rain and snow cannot reach.

2. Structure Characteristics

Time control switch adopts an eight-bit microprocessor chip, which is directly packaged on the PCB board. The peripheral uses chip mounting components, surface mounting, LCD, and high-power relay output; The battery is replaceable.

3. Technical Characteristics

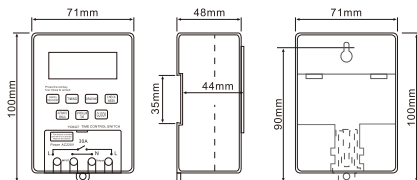
3.1 Rated insulation voltage U_i AC380V

3.2 Rated impulse withstand voltage U_{imp} AC1.5kV

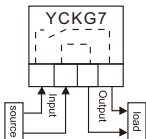
- 3.3 Rated control power supply voltage Us AC50/60Hz 220V, 380V
- 3.4 Pollution level: 3
- 3.5 Enclosure protection grade: Ip50
- 3.6 Load power: (resistive load: 6KW inductive load 1.8KWMotor load: 1.2K W; Lamp load: 0.9 KW)
- 3.7 Daily travel time error: less than or equal to ± 2 seconds;
- 3.8 16 open and 16 close actions can be set every day;
- 3.9 Switching time can be cycled by day or week;
- 3.10 The maximum time control is 168 hours and the minimum time control is 1 minute;
- 3.11 Mechanical life: greater than or equal to 1 million times;
- 3.12 Electrical life: more than or equal to 100000 times;
- 3.13 Coordination and cooperation with short circuit protector (SCPD) means that the relay shall not cause harm to people and equipment under short circuit conditions, and shall not be allowed to continue to use until the parts are repaired or replaced.

4. Outline and Installation Dimensions

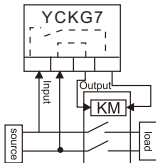
Unit : (mm)



**Outline and installation hole size
(or 35mm standard guide rail installation)**



Direct control load wiring diagram



Connected to AC contactor control load wiring diagram

5. Installation and operation

5.1 When the keyboard is not operated, it will be locked automatically for 15 seconds, and the sign "🔒" will be displayed in the lower left corner.

5.2 Unlock: press the "Cancel/Resume" key four times to unlock automatically, and the sign "🔒" disappears.

5.3 Adjust Beijing time according to "school week", "school hour" and "school score" respectively. 5.4 Set the switching time.

Step	key	Set content
1	Press the "Timing" key	Enter the timing switch setting and display 1 ON.
2	Press the "Calibrate Week" key	Set the time of this trip to a certain day or day of the week.
3	Press "Timing" and "Scoring" respectively	Set the opening time.
4	Press "Timing key"	Enter timing off setting and display 1 OFF .
5	Press the "Calibrate Week" key	Set the closing time to a certain day or day of the week.
6	Press "Timing" and "Scoring" respectively	Set the closing time.
7	Repeat 1-6	Set the switch time for the remaining 2-16 times. If timing is not required, Then make it display: "--: --".
8	Press the "clock" key	End the timing setting and return to the clock operation state.
9	Press the "Auto/Manual" key	Make the switch mark "▼" point to the "off" position, and then turn it to the "automatic" position.

Chinese and English Compare

English	Mo	Tu	We	Th	Fr	SA	Su
Chinese	星期一	星期二	星期三	星期四	星期五	星期六	星期日

Automatic clock timing function

In the unlocked state, press and hold the "Cancel/Resume" key first, and press the "Clock" key to display "7d=00" to enter the clock automatic timing function, which means that the time to be adjusted in a week is seconds, "7d=- xx" means automatic decrease, 7d=xx means automatic increase, and the maximum adjustment rangeThe circumference is 28 seconds. Press the "Calibrate Week" key to adjust the time required for weekly adjustment, and press "Clock"Key to return. After setting, it will automatically increase or decrease at 00:31:30 every SaturdayLess time.

6. Precautions for operation

- 6.1 In order to prevent contact heating under strong current, be sure to tighten the screw on the wire post when wiring.
- 6.2 It is forbidden to install and disassemble products with power.
- 6.3 Please replace the battery regularly to avoid insufficient battery power, causing unclear or no display. (The time control switch uses No. 7 battery)
- 6.4 For equipment that may cause major economic losses or personal safety, please ensure thatThere is enough margin for technical characteristics and performance values, and double circuit protection shall be adoptedAnd other safety measures.

7. Common faults and troubleshooting

- 7.1 LCD has no display or unclear display, please replace the battery.
- 7.2 The time control switch after power-on operation is abnormalCheck whether the time control switch period setting meets the required requirements and the setting of the week,Whether to set it in the "Auto" position.
- 7.3 Output indication from time control switch to set time

7.4 Burned products Check whether the power supply exceeds the rated power supply voltage of the product and whether the power line is connected incorrectly.

7.5 Troubleshooting When the product fails, first disconnect the power supply, connect the wire correctly according to the wiring diagram, and then operate according to the operation precautions after checking the circuit is correct. For products with quality problems, please contact the local distribution company or our company.

8. Transportation and storage

During storage and transportation, the product shall not be attacked by rain and snow and squeezed. During storage, it shall be placed in the air and the relative humidity ($25\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$) shall not exceed 90%. The lower limit of temperature is $-25\text{ }^{\circ}\text{C}$ and the upper limit of temperature is $+55\text{ }^{\circ}\text{C}$.

9. Unpacking and inspection

Open the outer packaging carton, and check that there are: certificate of conformity and operating instructions in the packaging box.

10. Ordering instructions

When ordering, please indicate the model and specification of the product. If there are special requirements, please consult with the manufacturer.

11. Company commitment

If the product is damaged or cannot be used normally due to manufacturing quality problems within 24 months from the production date of the product, the company is responsible for repairing or replacing it free of charge, provided that the user complies with the conditions for use and storage and the product seal is intact. If the warranty period is exceeded, repair shall be paid. However, if the damage is caused by the following circumstances, it shall be repaired with compensation even within the warranty period:

- (1) Improper use, maintenance and storage;
- (2) Self-modification and improper repair;
- (3) Damaged due to falling and installation after purchase;

(4) Force majeure such as earthquake, fire, lightning strike, abnormal voltage and secondary disasters;

(5) The service life of the product exceeds 100000 times; The mechanical life exceeds 1 million times. If you have any questions, please contact the dealer or our customer service department.



CERTIFICATE

Product Model: YCKG7

Inspector : **CNC003**

Production date: Printed on the product
or package.

This product is qualified according
to the delivery inspection

A vertical red bar containing the white text 'CNC' in a bold, sans-serif font.

YCKG7

CNC ELECTRIC

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