



Delixi Electric **Easy** Electric

KG816B Time Control Switch Operation Instructions



Before installing and using the product, please read the instructions carefully and keep it properly.

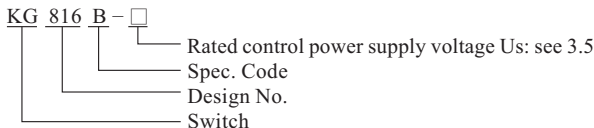
I. Overview

1.1 Scope of Application

This product is suitable for AC 50/60 Hz voltage 380 V and below control circuit as delay and timing components. This product can turn on or off the power of various control circuits for a predetermined time, suitable for street lamps, neon lights, advertising sign lamps, radio and television equipment, and various household appliances.

Executive standard: GB/T 14048.5

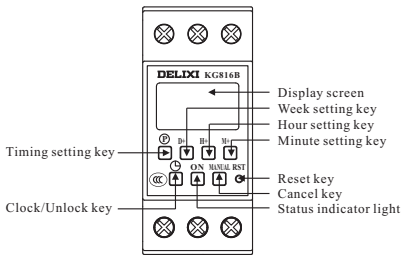
1.2 Model Definition



1.3 Working Conditions and Installation Conditions

1.3.1 Operational environment: The altitude does not exceed 2000 meters; the ambient temperature is not higher than $+40^{\circ}\text{C}$ and not lower than -5°C ; rated control power supply voltage varies from 85% to 110% of rated voltage; In a medium that is without serious vibration or explosion hazard, and there is no gas or dust in the medium enough to corrode the metal and damage the insulation; in places where rain and snow are not invaded.

II. Structure Specification

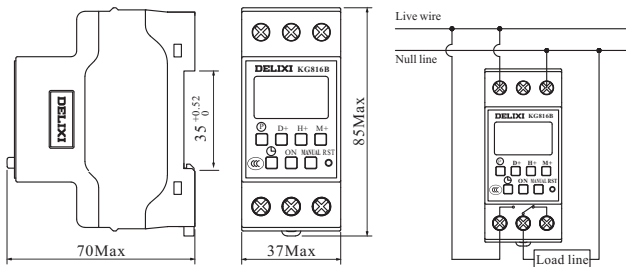


III. Technical Characteristics

- 3.1 Rated insulation voltage U_i : AC380V;
- 3.2 Rated impulse withstand voltage U_{imp} : AC1.5kV;
- 3.3 Under the use category each rated working voltage U_e /Rated operating current I_e :
AC-15 U_e/I_e : AC240V/3A; U_e/I_e : AC380V/1.9A;
- 3.4 Agreed heating current I_{th} : 10A;
- 3.5 Rated control power supply voltage U_s : ac50/60hz: 220V, 380V;
- 3.6 Pollution level: 3;
- 3.7 Shell protection rating: IP50;
- 3.8 Daily travel time error: less than or equal to ± 2 seconds;
- 3.9 8 times of opening and 8 closing actions can be set every day;
- 3.10 The switching time can be cycled on a daily or weekly basis;
- 3.11 The longest time is controlled to 168 hours, and the shortest time is controlled to 1 minute;
- 3.12 Mechanical life: greater than or equal to 1 million times;
- 3.13 Electrical life: greater than or equal to 100,000 times;
- 3.14 Coordination with the short circuit protection device (SCPD): It is recommended to use SCPD as RT16-00, 10A fuse, and basic protection type "1" type coordination. That is, the relay should not cause harm to people and equipment under short-circuit conditions, and it is not allowed to continue to use until the parts are repaired or replaced. When using different types of fuse protectors, the original coordination may fail.

IV. Product Shape, Installation Dimensions and Wiring Diagram

Unit: (mm)



V. Installation and Operation

5.1 If it is used for the first time or not used for a long time, and the time control switch is not displayed, please press the “RST” little hole key to turn on after 5 seconds of power on.

5.2 Sleep setting: Press “D+” and press “H+” for 2 seconds to enter dormant state. If you want to wake up in dormant state, press “RST” (this product is in dormant state when leaving the factory).

5.3 Clock Setting

5.3.1 Unlock and press “D+” until the current week is displayed.

5.3.2 Unlock and press “H+” until the current hour is displayed.





5.3.3 Unlock and press “M+” until the current minute is displayed.

5.4 Working Status Setting


5.4.1 After completing the switch time setting and clock setting, be sure to set the on/off status of the time switch according to the current clock, and press “MANUAL” to switch the working status;

5.4.2 Manual control can be turned on and off as desired by pressing “MANUAL”.

5.5 Timing Setting Steps

- ① When the state is locked, press “” twice to unlock it quickly;
- ② Press  to display “1ON” and “--:--” to set the first group opening time;
- ③ Press “D+” to set which days of the week are open. (See work mode table);
- ④ Press “H+” “H+” to set the hour and minute of the turn-on time;
- ⑤ To cancel the setting time of “1ON”, press “MANUAL”;
- ⑥ Press  to display “1OFF” and “--:--” to set the first group closing time;
- ⑦ Press “D+” to set which days of the week are close. (See work mode table);
- ⑧ Press “H+” “H+” to set the hour and minute of the turn-off time;
- ⑨ To cancel the setting time of “1OFF”, press “MANUAL”;
- ⑩ Repeat the above steps ②~⑨ for the other groups’ turn-on and turn-off times. Press “” to exit.

Modes of Operation

1. MO.TU.WE.TH.FR.SA.SU. Monday to Sunday
2. MO.TU.WE.TH.FR.SA. Monday to Saturday
3. MO.TU.WE.TH.FR. Monday to Friday
4. SA.SU. Saturday to Sunday
5. MO.TU.WE. Monday to Wednesday
6. TH.FR.SA. Thursday to Saturday
7. MO.WE.FR. Monday, Wednesday and Friday
8. TU.TH.SA. Tuesday, Thursday, Saturday
9. MO or TU or WE or TH or FR or SA or SU. Working hours of a certain day from Monday to Sunday. (Note: If you do not need to set the 8-segment timing, press “” to return to the real-time clock state, or automatically return to the real-time clock state after 15 seconds.)

VI. Operation Cautions

- 6.1 The setting of time control on and off time cannot be cross-set, and should be set in order of time;
- 6.2 Please do not use the product in place where it is dusty, or has corrosive gas, direct sunlight or rain;
- 6.3 To prevent the contact from heating under high current, be sure to tighten the screws on the terminal block when wiring.
- 6.4 Live installation and disassembly of the product are strictly prohibited;
- 6.5 The product contains high-capacity non-rechargeable batteries, please do not disassemble and put into the fire;
- 6.6 For equipment that may cause significant economic loss or personal safety, please make sure that there are sufficient margins for technical characteristics and performance values, and that safety measures such as double circuit protection should be adopted.

VII. Common Fault and Eliminating Methods

- 7.1 LCD is not displayed or not clearly displayed.
Whether the battery voltage is too low or has no electricity.
- 7.2 The time control switch does not work normally after power on
Check if the time control switch period setting meets the required requirements, and whether the setting time of the week is set in the “Auto” position.
- 7.3 When the set time is reached, the time control switch output indicator lights, but the relay does not switch.
Check if the power supply voltage is too low.
- 7.4 Product Burntout
Check whether the power supply exceeds the rated power supply voltage of the product and the power cable is connected incorrectly.

7.5 Troubleshooting

When the product fails, first disconnect the power supply and connect it correctly according to the wiring diagram. After checking the line is correct, follow the operation cautions for operation. If the quality of the product is indeed a problem, please contact the local distribution company or our company.

VIII. Transport and Storage

The storage and transportation process of the product shall not be affected by rain or snow, and shall be squeezed. When storing the product, it should be placed in a place where air is circulated and the relative temperature does not exceed 90% of ($25^{\circ}\text{C} \pm 5^{\circ}\text{C}$). The lowest temperature limit is -25°C and the highest temperature limit is $+55^{\circ}\text{C}$.

IX. Unpacking and Inspection

Open the outer carton packing and check the Operation Instructions in the carton (Certificate of Qualification included).

X. Ordering Instructions

When ordering, please indicate the model and specifications of the product. If you have special requirements, please consult with the manufacturer.

XI. Company Commitment

Under the premise that the user abides by the use, storage conditions and product seal is intact, If the product is damaged or cannot be used normally due to manufacturing quality problems within 24 months from the date of production, the company is responsible for repair or replacement without charge. If the warranty period is exceeded, a paid repair is required. However, damage caused by the following conditions is considered as paid repair even during the warranty period:

- (1) Inappropriate use, maintenance, or storage;
- (2) Self-modification and improper repair;
- (3) Damaged after purchase due to falling and installation;
- (4) Caused by force majeure such as earthquakes, fires, lightning strikes, abnormal voltages and secondary disasters;
- (5) The product has an electrical life of more than 100,000 times; the mechanical life exceeds 1 million times.

If you have any questions, please contact the dealer or our customer service department.

Customer Service Hotline 400-826-8008



Certificate of Qualification

DELIXI GROUP CO.,LTD.

Name: Time Control Switch

Model: KG816B

This product is subject to GB/T14048.5 standard, and is approved to be delivered after inspection.

Inspector: 

Inspection Date: See the inner box label

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