

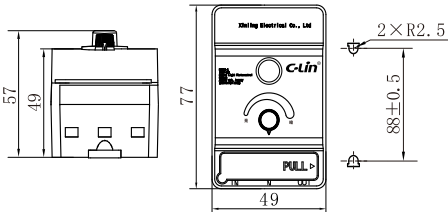
I. Overview

The HHQ12 (GUK) Series Street Light Photocontrol Switch (hereinafter referred to as the control switch) is suitable for use as a photocontrol switching component in control circuits with AC 50Hz, rated voltage AC220V or DC voltage 24V. It automatically turns off the street lights at dawn and turns them on at dusk according to natural light conditions. This control switch complies with the relevant requirements of GB/T 14536.8.

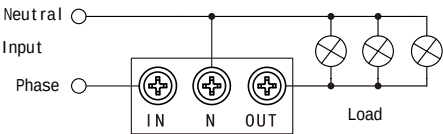
II. Main Technical Data

| Model                                                 | HHQ12-1<br>(GUK-81)                                           | HHQ12-2<br>(GUK-82) |
|-------------------------------------------------------|---------------------------------------------------------------|---------------------|
| Operating Power Supply (Control Power Supply Voltage) | AC220V 50Hz; DC24V (allowable fluctuation range: 85%~110% Ue) |                     |
| Contact Capacity                                      | 10A                                                           | 40A                 |
| Power Consumption                                     | ≤ 3VA                                                         |                     |
| Pollution Degree                                      | 3                                                             |                     |
| Mounting Method                                       | 35mm DIN rail type or device type                             |                     |
| Conventional Heating Current (Ith)                    | 5A                                                            |                     |
| Rated Insulation Voltage (Ui)                         | 400V                                                          |                     |
| Rated Impulse Withstand Voltage (Uimp)                | 2.5KV                                                         |                     |

III. Outline and Mounting Hole Dimensions (mm)



IV. Wiring Diagram



V. Instructions for Use

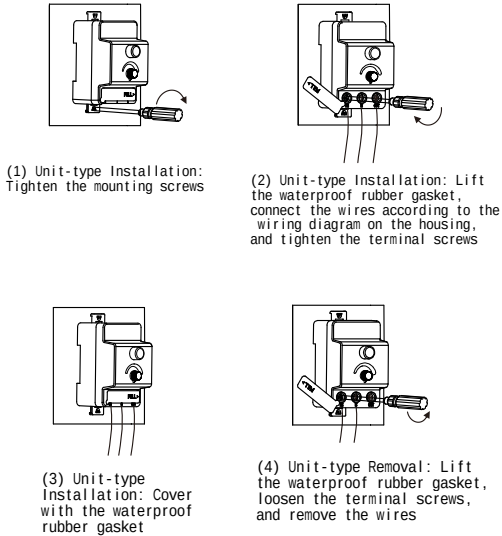
- 1.Install the control switch on the utility pole where the street light is installed, or in a location with natural light. Wipe dust off the photoelectric head promptly or regularly to avoid impairing the photoelectric conversion effect.
- 2.The photoelectric head should be placed in a natural environment free from interference from other light sources. If the street light fails to turn off at dawn or turn on at dusk, check whether the photoelectric head is installed correctly.
- 3.The light sensitivity adjustment knob on the front of the product can be adjusted between "Bright" and "Dark". This refers to the gradual darkening of the night sky: "Bright" means the light turns on earlier, while "Dark" means it turns on later.
- 4.When connecting wires to the product's terminals, ensure they are tightly secured. Loose connections may damage the product and the controlled electrical devices.

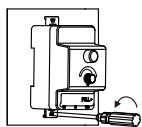
VI. Installation and Removal Methods

**Note:** The main circuit power supply must be disconnected before installation or removal.

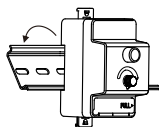
- 1.Unit-type installation sequence: (1) → (2) → (3)
- 2.Unit-type removal sequence: (4) → (5)

- 3.DIN Rail Installation Sequence: (6) → (7) → (8)
- 4.DIN Rail Removal Sequence: (9) → (10)

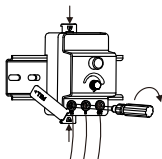




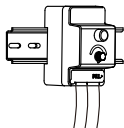
(5) Unit-type Removal: Cover with the waterproof rubber gasket, loosen the mounting screws, and remove the unit.



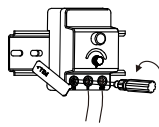
(6) DIN Rail Installation: Clip the unit onto the DIN rail.



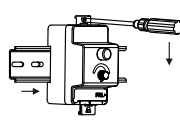
(7) DIN Rail Installation: Fasten the rail clip, lift the waterproof rubber gasket, connect the wires according to the wiring diagram on the housing, and tighten the terminal screws.



(8) DIN Rail Installation: Secure the waterproof rubber gasket in place.



(9) DIN Rail Removal: Lift the waterproof rubber gasket, loosen the terminal screws, and remove the wires.



(10) DIN Rail Removal: Pry open the rail clip, cover with the waterproof rubber gasket, and remove the unit.

## VII. Ordering Instructions

Please specify the product model, voltage class, and quantity. Any special requirements should be noted separately.

**Example:** HHQ12-1 AC220V, 100 units.

|                                                                                                                                   |              |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------|
| <br>产品合格证                                      |              |
| 符合标准:                                                                                                                             | GB/T 14536.8 |
| 检验员:                                                                                                                              | 检01          |
| 出厂日期:                                                                                                                             | 见产品或包装       |
| 本产品经检验合格, 准予出厂。                                                                                                                   |              |
| <br>欣灵电气股份有限公司<br>XINLING ELECTRICAL CO., LTD. |              |

**C-Lin®**

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**C-Lin 欣灵**

使用说明书  
Products Instructions

**HHQ12 ( GUK )**  
Series Street Light Photocontrol Switch

Thank you very much for using C-Lin brand street light photocontrol switches. Please read the instruction manual before use!

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