

HHQ8 series time control switch adopts special timing chip and LCD display, which has the advantages of high timing precision and wide time control range. It is widely used in street lamps, neon lights, advertising signboards, production equipment, broadcasting and TV equipment, and other places where electrical equipment and household appliances need to be turned on and off at regular intervals.

This time control switch meets the requirements of GB/T 14536.8.

II. Main technical data

Model	HHQ8-1	HHQ8-2	HHQ8-4	HHQ8-6
Operating Power Supply (control supply voltage)	AC220V 50HZ, Allowable Voltage Fluctuation Range: 85%-110%, U _e ;			
Time Control Range	1m-168h			
Number of Timings	40 sets, automatic and manual			
Controllable Circuit	1 Circuit	2 Circuits	4 Circuits	6 Circuits
Output Method	Passive contact output		Active voltage output	
Timing Error	≤ ± 1s/day (adjustable error; 7 days ±9.5s)			
Power Consumption	≤2VA			
Humidity	The relative humidity of the air should be ≤50% at a maximum temperature of +40°C at the place of installation, and higher relative humidity may be permitted at lower temperatures. e.g. up to 90% at 20°C. Special measures should be taken for occasional condensation due to temperature changes.			
Environmental Temperature	-10°C ~40°C			
Altitude	≤2000m			
Contact Capacity	16AAC250V (resistive)	3AAC250V (resistive)	/	
Carrying Capacity	/		2AAC220V (resistive) single circuit	
Installation	35mm rail mount			
Contamination level	3			
Conventional heating current I _{th}	5A			
Rated insulation voltage U _i	400V			
Rated impulse withstand voltage U _{imp}	2.5KV			

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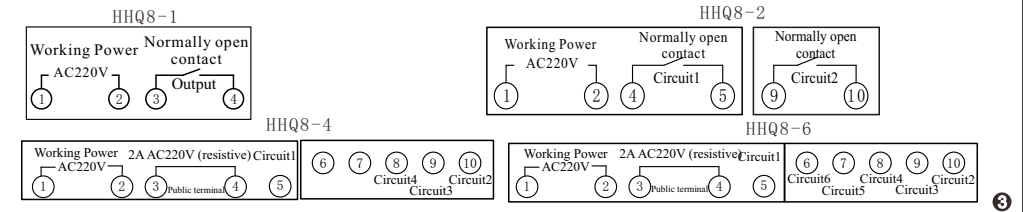
- “Function”: Pressing this key enables switching between the clock state, clock setting state, programme setting state and error setting state.
- “Select”: Press this key to select each parameter that needs to be adjusted and set in various functions.
- “+”: Pressing this key adds a number upwards to the selected parameter (i.e. increasing changes).
- “-”: Pressing this key decrements the selected parameter downwards (i.e. decreasing changes), and in the programme setting state enables switching on and off of the day of the week and circuit parameter settings.
- “Manual”: In the clock state, this key is used to set the different working state setting sequence as follows: ON $\longleftrightarrow$ AUTO $\longleftrightarrow$ OFF; in the programme setting state, this key is used to switch between the time set by the programme group and “--:--” (i.e. clear).
- Other advanced features:

- a. Any setting state without any key operation for 30 seconds will return to the clock running state.
- b. No external power supply, and in the clock working state, press the "+" key and "-" key at the same time for 5 seconds, turn off the LCD display, and enter the hibernation mode. In the clock running state, no key operation for 2 minutes, also enter the hibernation mode. Press any key to wake up hibernation mode.

c. Under the state of program setting, select the program group, press and hold the "Manual" key and "-" key for 2 seconds to cancel the setting parameters of the current program group and the group behind it. After this action, the display will show the cancellation state of the last program group.

d. Under the state of program setting, select the program group, press and hold the "Manual" key and "+" key for 2 seconds to cancel the setting parameters of the current program group and the program groups in front of it. After this action, the display will show the cancellation state of the first program group.

V. Wiring diagram



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Figure 1-1 shows the dimensions of the CUIN series digital display. The front view shows the display screen, buttons, and terminal blocks. The side view shows the depth of the unit. The dimensions are as follows:

- Overall width: 49.5 mm
- Overall height: 100 mm
- Depth: 35 mm

Figure 1

IV. Panel Description

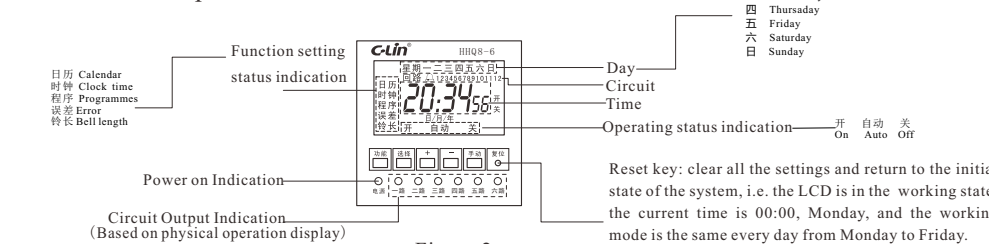
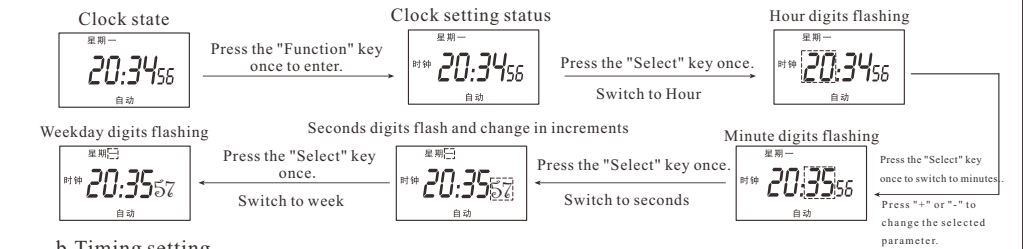


Figure 2

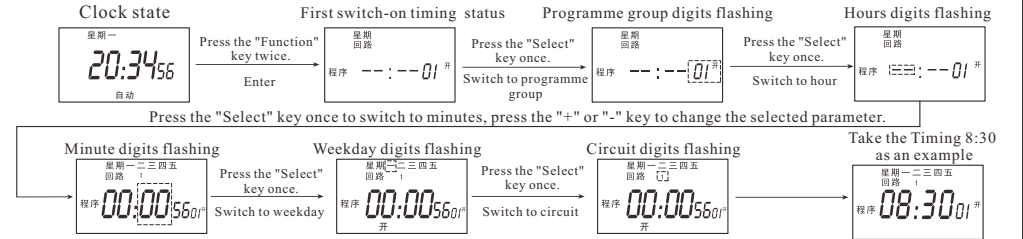
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VI. Instructions

a. Clock Calibration



b. Timing setting



c. If setting the switch-on time is before the clock time (e.g. the current clock time is 9:00, the setting time is 8:00), the system will not switch on this time by default and will switch on automatically next time.

If you want to turn on, you need to press the "On/Auto/Off" key to adjust to the "ON" (manual on) state, this time manually turn on, and then adjust the state back to the "AUTO" (automatic) state, and perform automatic control. Then adjust the status back to "AUTO" (automatic) and perform automatic control.

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