**Operating mode:**

P1 mode: After the signal is triggered, the relay turns on the OP time and then turns off; in the OP time, the following operation

P1.1: The signal is triggered again.

P1.2: Signal triggers re-timed again

P1.3: The signal triggers reset again, the relay is disconnected, and the timing is stopped;

P1.4 Countdown op time, booting once, no need to trigger;

P-2.1: Give the trigger signal, after the relay turns off the CL time, the relay turns on the OP time, after the timing is completed, the relay is turned off;

P2.2 : P2 function difference triggers retime

P3.1: Give the trigger signal, after the relay turns on the OP time, the relay turns off the CL time, then loops the above action, the signal is given again in the cycle, the relay is disconnected, the timing is stopped; the number of cycles (LOP) can be set;

P3.2: No trigger signal is required after power-on, the relay turns on OP time, the relay turns off CL time, and the above action is cycled; the number of cycles (LOP) can be set;

P-4: Signal hold function If there is a trigger signal, the timing is cleared, the relay remains on; when the signal disappears, the relay is turned off after timing the OP; during the timing, there is a signal and the timing is cleared;

When the timing interface is pressed, press the down button to switch the output state to reverse (the switch state is reversed)

When in p3.2 mode, press the up button for the timing interface, and display F1 to start the op time first, and display F1 to start the cl time first.

**How to choose the timing range:**

After setting the parameter value in the mode selection interface, press the STOP button to select the timing range;

XXX. Decimal point is in one place, timing range: 1 second to 999 seconds

XX.X decimal point in ten, timing range: 0.1 seconds to 99.9 seconds

X.X.X. The decimal point is all bright, timing range: 1 minute ~ 999 minutes

For example, if you want to set the OP to 3.2 seconds, then move the decimal point to ten digits, and the digital tube displays 03.2.

**Parameter Description:**

OP on time, CL off time, LOP cycle number (1—999 times, “---” stands for infinite loop)

These parameters are independent of each other, but each mode shares these parameters. For example, when the on-time OP is set to 5 seconds in P1.1, the user wants to switch to the P1.2 mode, then enter the P1.2 to set the corresponding parameters, OP It will be 5 seconds;

Pressing the SET button on the main interface (display 000) will display OP (CL, LOP) and the corresponding time XXX;

If there is only OP (such as mode P1.1, P1.2, P1.3) time in the mode, then short press SET button will only display OP and corresponding time;

If there are OP, CL, LOP in the mode (for example, mode P3.1, P3.2), short press SET button will display OP and corresponding time, CL and corresponding time, LOP and corresponding times;

After setting the mode, you can easily view the parameters set in the current mode by pressing the SET button on the main interface, which is very convenient!

**How to set parameters:**

1. First determine the operating mode of the relay;

2. According to the working mode of the relay, in the main interface (when the module is powered on, it will flash the current working mode (default P1.1 mode), then enter the main interface,) "press and hold the SET button for 2 seconds and then release. ” Enter the mode selection interface, select the mode to be set (P1.1~P-4) by short pressing the UP and DOWN buttons;

3. After selecting the mode to be set (for example, P3.2), press the SET button to set the corresponding parameter. At this time, the parameter to be set will flash (OP on time, CL off time, LOP cycle number (“- - "represents an infinite loop"), adjust the parameter value through UP, DOWN, support long press (rapid increase or decrease) and short press (increase or decrease 1 unit); after setting the parameter value, press the STOP button shortly To select the decimal point position, select the timing range (corresponding time 0.1 seconds ~ 999 minutes); short press the SET button to set the next parameter of the current mode, the process is the same as above;

4. After setting the parameters of the selected mode, press and hold the SET button for 2 seconds to release, the currently set mode will flash, then return to the main interface, setting the parameters successfully, very simple!

Main interface: “000” (no decimal point) is displayed when the relay is not working. The relay has a decimal point under working condition, which is very clear!

Mode selection interface: long press SET button to enter, after setting is completed, long press SET button to exit, return to the main interface, very simple!

STOP button function extension:

**Relay enable mode:**

1. ON: The relay is allowed to conduct during the OP conduction time;

2. OFF: The relay is prohibited from being turned on and is always off.

Short press the STOP button on the main interface to switch between ON and OFF. The current state will flash and then return to the main interface. (This function is the emergency stop function, one button to open and close the relay)

**Sleep mode:**

1.C-P sleep mode: within five minutes, without any operation, the digital tube automatically turns off the display, and the program runs normally;

2.O-d normal mode: the digital tube is always on display;

Press and hold the STOP button for 2 seconds and then release it to switch between C-P and O-d. The current state will flash and return to the main interface.