

Product Description

Frequent high-frequency circuit to achieve rapid switch-off unlimited number of times

Two-MOS parallel active output, lower resistance, more current, strong power

Module Highlights

Interface is clear and simple, powerful, almost meet all the needs

There is a key stop function (STOP key), with reverse polarity protection, reverse polarity does not burn

Increased sleep mode is enabled after, without any operation within 5 minutes, turn off the monitor automatically

Any key to wake

You can set a different OP, CL, LOP parameters, which are independent of each other, were preserved

Setting automatic power-down save parameters

Operating mode

P1 mode: the trigger signal, the relay is turned OP time, and then disconnect; in the OP time, as follows

P1.1: Invalid signal triggered again

P1.2: Re-timing signal is triggered again

P1.3: Reset signal is triggered again, the relay off, stop the clock

P-2: to the trigger signal, the relay after time off CL, OP relay conduction time, after the counting is finished, disconnect relay

P3.1: After the trigger signal to the relay turned OP time, relay off CL time, then the operation cycle, the inner loop again to the signal, the relay off, stop the clock; cycles (LOP) can be set

P3.2: After power without triggering signal, the relay is turned OP time, relay off CL time, cycle the operation; cycles (LOP) can be set

P-4: signal holding function if there is a trigger signal timing is cleared, the relay remains on; when the signal disappears, after timing OP disconnect relay; timer period, then a signal, the timing is cleared

Trigger source: DC 3.0V-24V high level trigger signal with no common ground system to improve the system's anti-jamming capability can also be self-shorting common ground

Output capacity: DC DC 5V – at 36V, 15A continuous current at room temperature, power 400W auxiliary cooling conditions, the maximum current up to 30A

Life: Unlimited switch; Operating temperature: -40-85 Celsius

With optocoupler isolation, enhanced anti-jamming capability, industrial grade circuit boards, set the parameters after power failure memory forever

Pay attention

Module is active charging output, the output side (load side) a voltage equal to the input terminal voltage DC

'DC +' load '+' polarization itself is internally shorted, but 'DC-' load '-' in the course of the poles can not be shorted,

otherwise the load can not be controlled on and off, the load is equivalent to He has been carrying electricity

Timing range

How to choose the time range

After setting the parameter values in the mode selection screen by a short press STOP button, select time range

XXX decimal point bits, 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. decimal full brightness, Timing range: 1 minute to 999 minutes

For example, you want to set up OP is 3.2 seconds, then move the decimal point to ten, the digital display 03.2

Parameter Description: OP-time, CL off time, LOP cycles 1-999 times, “—” represents infinite loop

These parameters are independent of each other, but each of these parameters, such as the common mode is set at P1.1 OP-time is 5 seconds, the user

wants to switch to P1.2 mode, then enter P1.2 set the parameters, OP also It will be 5 se

In the main interface display 000 press SET button will display OPCL, LOP and the corresponding time XXX

For example if the pattern only OP mode P1.1, P1.2, P1.3 time, then press SET button will display only the OP and the corresponding time

If the pattern has OP, CL, LOP mode for example P3.1, P3.2 then press the SET button will display OP and the corresponding time, CL and the corresponding time, LOP and the corresponding number of times

After setting the mode parameter in the main interface by a short press SET key to easily see the current mode set, very convenient

How to set parameters

First, determine the operating mode of the relay

Depending on the mode of the relay, in the main interface (module power, blinks the current work mode (P1.1 default mode), then enter the main interface “long press SET button for 2 seconds after the release” to enter the mode selection interface, by a short press UP, DOWN buttons to select the mode you want to set P1.1 ~ P-4

After selecting the mode to be set (for example, P3.2) Press SET key to set the appropriate parameters, then the parameters to be set on-time flashes OP, CL off time, LOP cycles “—” stands for unlimited cycles through UP, DOWN to adjust the value, support long press (rapid increase or decrease) and press (increase or decrease one unit); setting the parameter value by a short press STOP button to select the decimal point position, select timing range (corresponding time of 0.1 seconds to 999 minutes); short press sET key to set the next parameter of the current mode, the process above

After setting the parameters of the selected mode is good, long press the SET button for 2 seconds after the release, currently set mode will flash, and then return to the main screen, set the parameters for

The main interface: In the relay does not work status display "000" (no decimal point), with a decimal point under relay state, clear

Mode selection screen: Long press SET to enter, after setting is completed, press SET key to exit and return to the main interface

STOP button function expansion

Relay Enable mode

ON: inner OP-time relay allows conduction

OFF: Relay prohibit conduction is always off

In the main interface, short press the STOP button to switch between ON and OFF, the current state it blinks, and then return to the main interface for this feature is the emergency stop function, a key disconnect relay closed

Sleep Mode

C-P Sleep mode: five minutes without any operation, the digital display automatically turns off, the normal operation of the program

O-d normal mode: digital display always on

Press STOP button for two seconds after the release, to switch C-P and O-d state, in which the current state of flashes and

then return to the main screen