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DC12V LED Digital Time Delay Relay Module Programmable Timer Relay Control Switch Timing Trigger Cycle with Case for Indoor

Price: **US \$5.52** / piece

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Product Details

Item specifics

Theory:Time Relay

Contact Load:High Power

Brand Name:NoEnName_Null

Protect Feature:Sealed

Voltage:DC6-30

Usage:General Purpose

Model Number:XY-WJ01

is_customized:Yes

Power Source:DC

Product Description

Timing Range:0.01 sec~9999 min

This product lcd display, very clear, simple and easy to use, powerful, but please read user instructions carefully before using.



| Product Highlights:

1. Display with LCD two columns, Can display parameters directly;
2. Trigger mode: high and low level,switch quantity.meet most of the needs.
3. Power supply: 6~30V.
4. Parameters can be modified via UART.
5. Stop button to provide emergency stop function.
6. 5 minutes without any operation into a low-power state. Any action wake up.
7. OP/CL/LOP params can be modified individually
8. All parameters are automatically saved by power off.

220V wiring mode



DC6.0~30V wiring mode



I Product Parameters:

1. Trigger signal source: High level(3.0V~24.0V),Low level(0.0V ~0.2V),Switch signal.
2. Maxmum Output load: DC 30V 10A and AC 220V 5A.
3. Static Current: 15mA Operating current: 50mA.
4. Service life: more than 100,000 times; working temperature: -40-85°C;
5. Optocoupler isolation,Strong anti-interference ability, Industrial grade circuit board, after power set parameters memory forever

I Working Mode Introduction(P1~P7)

P0: After the signal is triggered, the relay conduction in **OP** time then disconnects; In the **OP** time, the signal is invalid.

P1: After the signal is triggered, the relay conduction in **OP** time then disconnects; In the **OP** time, the signal triggers a new timer.

P2: After the signal is triggered, the relay conduction in **OP** time then disconnects; In the **OP** time, signal trigger reset timer, relay disconnected and stop timing.

P3: After the signal is triggered, the relay disconnects the **CL** time, and then the relay conduction.

P4: After the signal is triggered, the relay conduction the **OP** time, and then the relay disconnects the **CL** time, and then loops the above action, gives the signal again in the loop, relays disconnect, stops the timer; and the number of cycles (**LOP**) can be set; End of cycle, keep relay disconnected;

P5: After the signal is triggered, the relay disconnects the **CL** time, and then the relay conduction the **OP** time, and then loops the above action, gives the signal again in the loop, relays conduction, stops the timer; and the number of cycles (**LOP**) can be set; End of cycle, keep relay conduction;

P6: No trigger signal after power-on, After the relay conduction **OP** time, the relay disconnects the **CL** time, and then loops the above action, signal is invalid in the loop, the number of cycles (**LOP**) can be set; End of cycle, keep relay disconnected;

P6: No trigger signal after power-on, After the relay disconnects the **CL** time, the relay conduction **OP** time, and then loops the above action, signal is invalid in the loop, the number of cycles (**LOP**) can be set; End of cycle, keep relay conduction;

P8: Signal hold function: The signal is maintained, the timing is cleared, and the relay conduction; when the signal disappears, the relay disconnects after the timing **OP**; during the timing, there is another signal and the timing is cleared;

P9: Signal hold function: The signal is maintained, the timing is cleared, and the relay disconnected; when the signal disappears, the relay conduction after the timing **CL**; during the timing, there is another signal and the timing is cleared;

(P0~P7) mode, short press the pause button, Start timing if the system is not timed; If the system is already timed, the system pauses the timer, the relay disconnected, flashing "out" to indicate a reminder;

P8/P9 mode, The pause button as a trigger signal in the Run interface, Short / Long press fail;

Hole Size:

75mm*39.5



Timing Range:

0.01 sec~9999 min

I How to choose the timing range:

In the OP/CL parameter modification interface, press the pause button shortly to select the timing range.

XXXX Timing range:1sec~9999sec

XXX.X Timing range:0.1sec~999.9sec

XX.XX Timing range:0.01sec~99.99sec

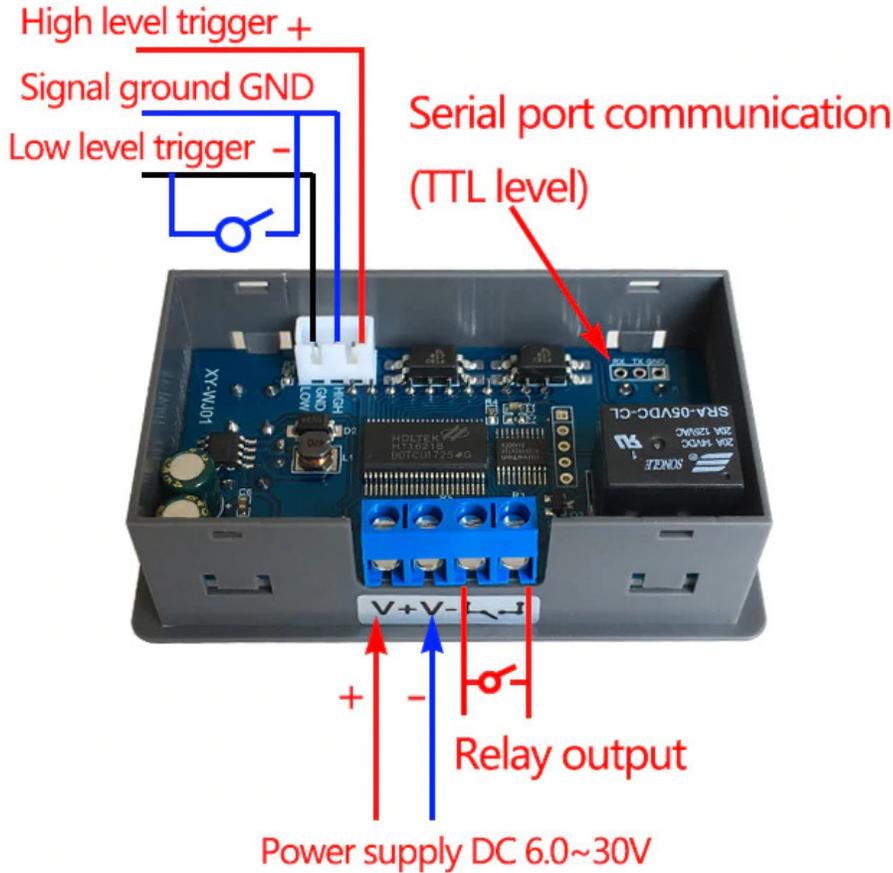
X.X.XX Timing range:1min~999.9min

For example, if you want to set the **OP** to 3.2 seconds, move the decimal point to ten digits. LCD display 003.2

Parameter Description: OP on-time, CL off time, LOP cycle times (1 - 9999 times, "-----" represents an infinite number of cycles)

I Parameter Settings:

- a) Press and hold the SET key to enter the setting interface;
- b) First set the working mode, work mode flashes reminder, set the working mode by pressing the UP / DOWN keys;
- c) Short press the SET button to select the working mode and enter the system parameter settings.
- d) In the system parameter setting interface, press SET key to switch the system parameters to be modified, and press / long press UP/DOWN key to modify. (Note: Short press SET in P0~P3/ P8/P9 mode is invalid);
- e) In the OP/CL parameter modification interface, short press STOP to switch the timer unit (1s/0.1s/0.01s/1min);
- f) After all parameters are set, press and hold the SET button for more than 2 seconds to release the hand, save the parameter settings and exit the setting interface



1. Remote data upload and parameter setting functions:

The system supports UART parameter reading and writing functions;

UART : 9600,8,1

CMD	Function
read	Read system parameters
OP:xxxx	1s
OP:xxx.x	0.1s
OP:xx.xx	0.01s
OP:x.x.x.x	1 min
CL:xxxx	1s
CL:xxx.x	0.1s
CL:xx.xx	0.01s
CL:x.x.x.x	1 min
LP:xxxx	Settings Cycles
start	Trigger/Start (P0~P7 Active)
stop	Pause (P0~P7 Active)
PX	Set the working mode (P0~P9)

I Additional features:

- a) Low-power state: In the running interface(only P0~P7 mode), by pressing the pause button for a long time, the Low-power function is started or closed (L-P selects on to start the hibernation function, Five minutes or so, no operation, LCD backlight auto-off, System normal operation, any key to wake up; off turns off the hibernation function);
- b) Parameter view: In the operation interface, short press the SET key to display the current parameter setting of the system, without affecting the normal operation of the system;
- c) Display content switching: In P4~P7 mode, switch display content (run time/cycle number) by pressing DOWN key momentarily;



Packaging Details

Unit Type:piece

Package Size:10cm x 8cm x 5cm

Package Weight:0.05kg

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