

# DC 5~60V Real-time Relay Digital Time Delay Relay Module Alarm Clock Relay USB Relay Board with Buzzer

## Parameters:

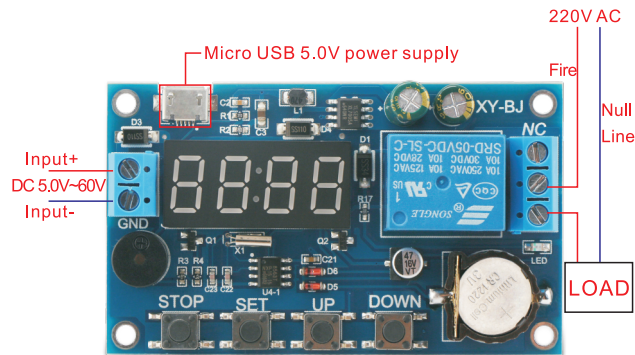
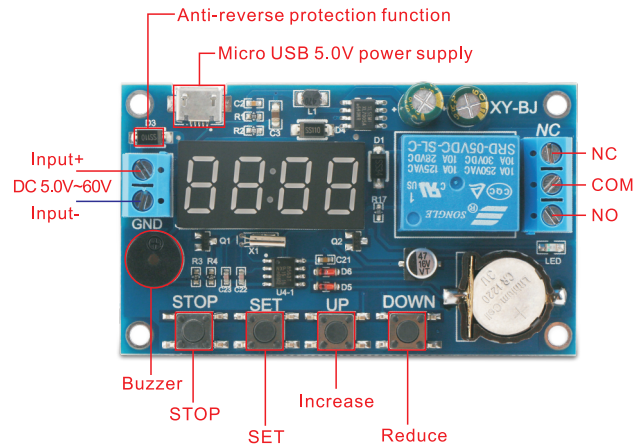
**Wide voltage range:** 5.0V~60V

**USB power supply:** Micro USB 5.0V input

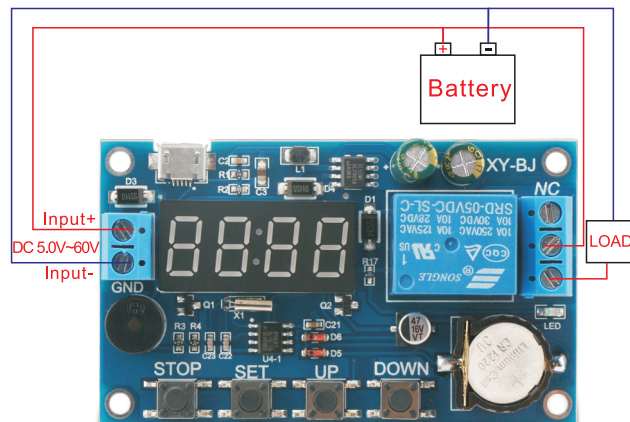
**Special functions:** Reverse protection function;  
Buzzer alarm function

**Size:** 74\*44\*18mm

## Relay Instructions & Wiring diagram:



As switch to control high voltage wiring diagram



The wiring diagram about using the same power supply

## Modes introduction:

**OPE:** Relay closed time, **CLE:** relay disconnected time

**Time period:** PE-1 to PE-5, 5 time periods (OPE to CLE is a time period)

----: Function shielding

**P-1:** Every day, the OPE relay closes/ outputs pulses, and the CLE relay disconnect/ outputs pulses.

**P-2:** That day, the OPE relay closes/ outputs pulses, and the CLE relay disconnect/ outputs pulses.

**P-3:** Set the date of that day, the OPE relay closes/ outputs pulses, and the CLE relay disconnect/ outputs pulses.

**P-4:** Start time and end time during the date to another date: the OPE relay closes/ outputs pulses, and the CLE relay disconnect/ outputs pulses.

**P-5:** Start time and end time in every month from the date to another date: the OPE relay closes/ outputs pulses, and the CLE relay disconnect/ outputs pulses.

**Note:** The end time/date (CLE) > the start time/date (OPE)

## How to set the time?

In the time running interface, press the DOWN button for a while:

1. When the system flashes "YEA", enter the year setting interface, please adjust the year with DOWN and UP.
2. Short press SET, it flashes "dAE", enter the date setting interface, please adjust the year with DOWN and UP.
3. Short press SET, it flashes "HOU", enter the time setting interface, please adjust the year with DOWN and UP. Short press SET, repeat step 1.
4. Long press SET 3 seconds and release, it will save and exist the time setting interface.

## How to set the parameters?

In the time running interface, long press the SET 2 seconds and release, the system enters the parameters setting interface:

**Step 1:** Select the time period: PE-1 ~ PE-5, Press UP and DOWN to select;

**Step 2:** Press the SET key to select the mode: P-1 ~ P-5 (Set this time period to the corresponding mode) by pressing the UP and DOWN. ("----" means to block this time period)

**Note:** Each time period can be repeated from the "----", P-1 ~ P-5 one of the optional; For example, you can let five time periods

working under P-1 mode, or let Time period 1 working under P-1 mode, time period 2 working under P-2 mode and so on.

**Step 3:** Finished the mode selection, short press the SET to enter the time period setting interface. On the time period setting interface, short press the SET to switch the parameter, "OPE" start time, "CLE" end time, "dAE" date information.

**Step 4:** Exit the settings after finishing parameters setting, long press SET 2 seconds and release, automatically check whether the parameter settings are legal, legal to save the parameters and return to the time running interface; if the parameter is wrong, "ERR" reminder (for example, stop time /date <= start time /date), return to the parameter setting interface;

**Additional functions:** Any "time period" can be set individually. In the specific parameter setting interface (after the second step), short press STOP to switch the output mode:

**OUT1:** Start time power supply to relay, the end time disconnect the relay

**OUT2:** Outputs 1S pulse to start or end time

In the specific parameter setting interface (after the second step), long press STOP can switch the ringing mode:

**BLL0:** Ring disable

**BLL1:** Ring enable

**Note:** When the bell rings, press any button to stop the ring

## STOP key function expansion

### ● Relay enable mode:

1. ON: relay enable;
  2. OFF: Do not turn on the relay, it is always off; Press STOP on the time display interface to switch between ON and OFF, the current status will flash, and then return to the main interface. (This function is the emergency stop function, press once to disconnect the closed relay)
- After the relay is disabled, the product can be used as an alarm clock.

### ● Sleep mode:

1. C-P sleep mode: within five minutes, without any operation, the digital display automatically shut down, the program operates normally.
2. O-d normal mode: digital display is always open; Long press STOP 2 seconds and release, to switch C-P and O-d, the current state will flash, and then return to the main interface.