

New Relay V1.0 Module impresora 3D Automatic Shutdown Module After Printing to BIQU Thunder cr10 extruder 3D printer parts

Price: **US \$14.70** / pieceSeller Guarantees: ships out within 5 business days
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Product Details

Item specifics

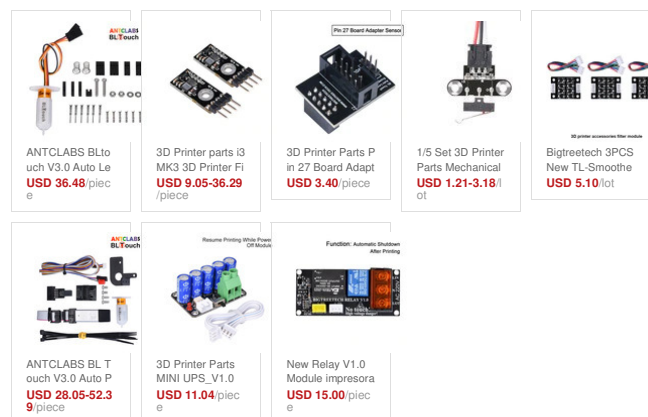
Item Type:Module

Brand Name:BIQU

Model Number:BIGTREETECH Relay V1.0

Product name:BIGTREETECH Relay V1.0,79.25mm*33.78mm,Automatic Shutdown Afte...

Product Description



Introduction:

BIGTREETECH Relay V1.0 is the first automatic shutdown module after printing independently developed by Biqu Technology. Its function is to automatically detect whether the 3D printer printing project is completed. When it detects that the printing project is completed, it can automatically cut off the power supply. The aim is to create an automated 3D printing environment with low carbon, environmental protection, energy saving and consumption reduction.

BIGTREETECH Relay V1.0 its connection is easy to understand, the logo is clearly visible, and the function is practical. It is the best choice for 3D printer intelligent power saving solution.

How to use:

1. Connect according to the wiring diagram in 1.2, the live input terminal is connected to the 220V AC live line, and the live line output is connected to the AC live line terminal of the switching power supply; Automatic shutdown module after printing and power cut detection signal line are connected to the extended port of the main board of 3D printer.
2. After the wire is connected correctly, the printer is supplied with power for normal printing. When



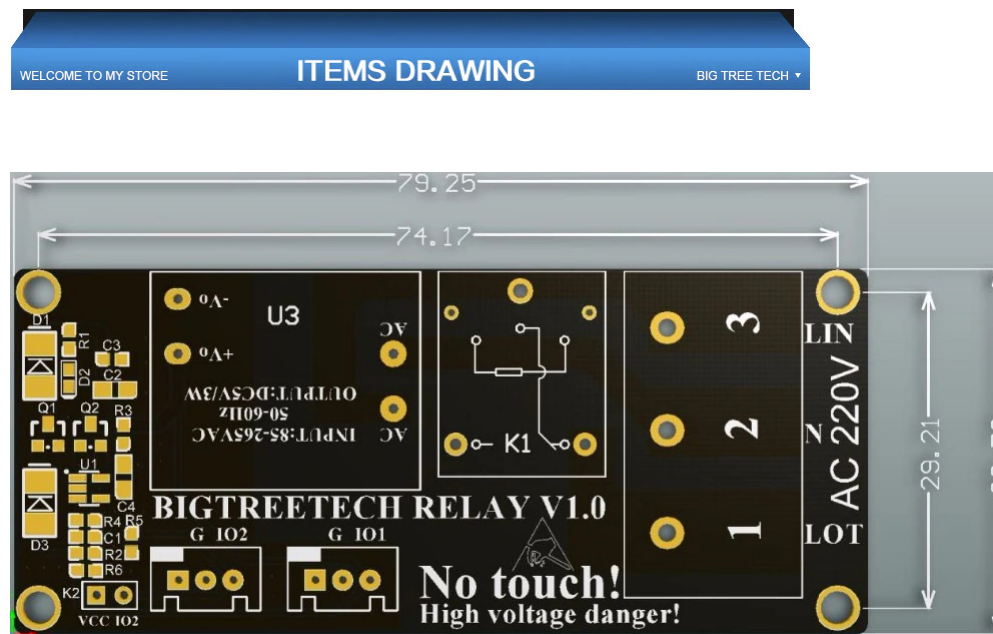
the printing is completed, Relay V1.0 will automatically disconnect the 220V alternating current provided by the switching power supply to realize the real shutdown;

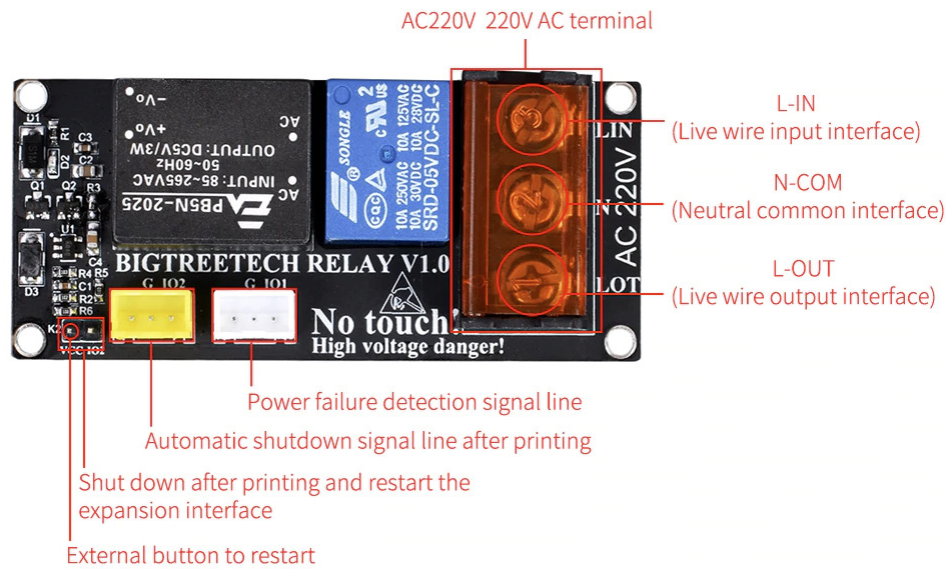
3. After the shutdown, there are two ways to restart the printer: one is to disconnect the input from the 220V power source for a few seconds and reconnect; The second is to use the button external to the K2 expansion port, press the button to restart the printer

4. Use this module to connect the reset button to realize the shutdown function. Connect the 3D printer of this module and press the reset button for more than 5S to realize the shutdown function.

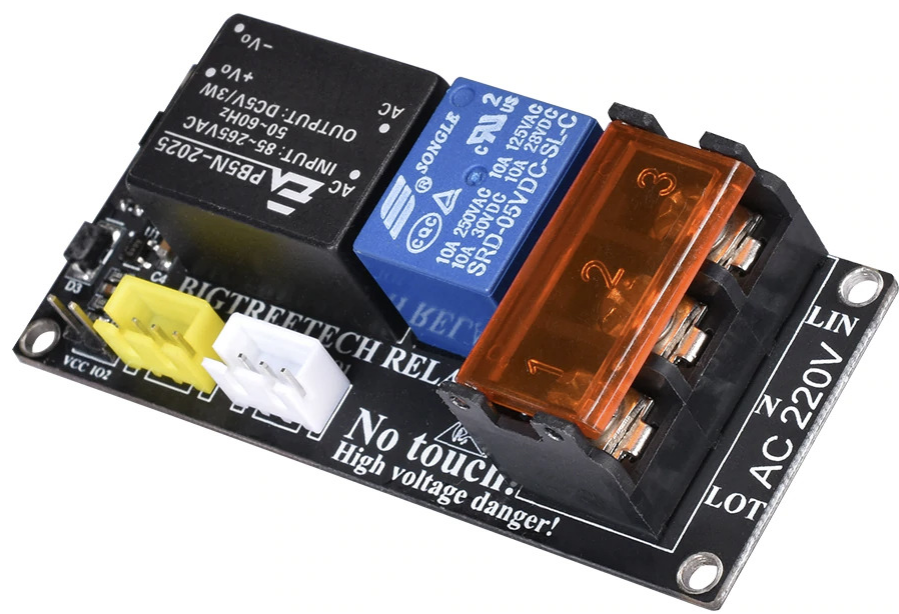
Note:

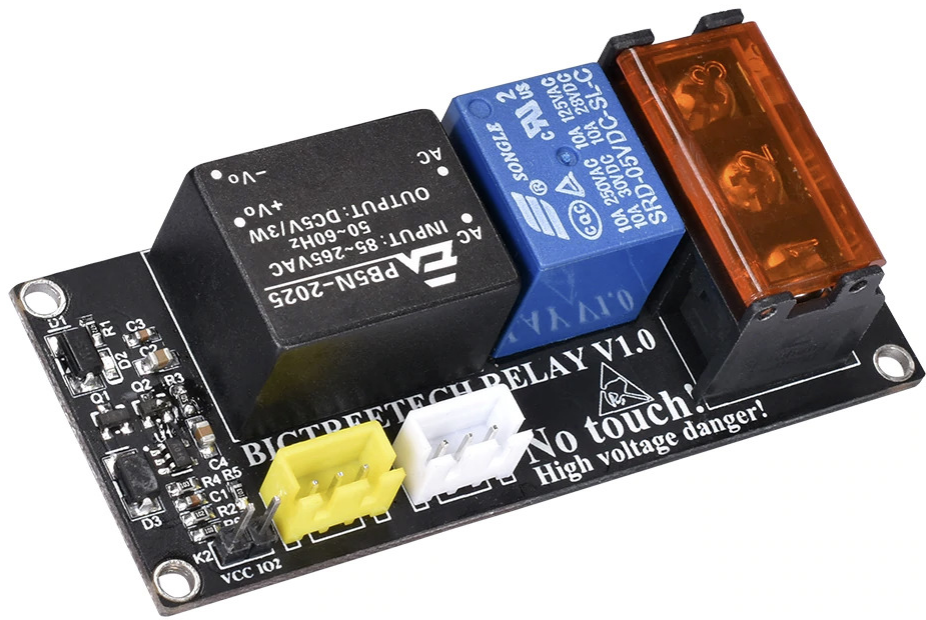
1. The entire wiring process must be conducted under the premise of power shutdown;
2. Please look at the logo and wiring diagram of the module when wiring, and make sure that the wiring is completely correct before energizing
3. The bottom of Relay V1.0 module should be away from other conductors such as water to prevent short circuit and cause unnecessary accidents;
4. Do not touch the wires and Relay V1.0 module by hand after power-on to prevent electric shock
5. When wiring, the sufficiency of the wire contact must be ensured, and the contact failure phenomenon cannot occur;
6. AC input voltage support: 125V/AC-250V/AC 50-60Hz;
7. Our company will not be responsible for any unnecessary accidents caused by failure to follow the instructions or drawings.

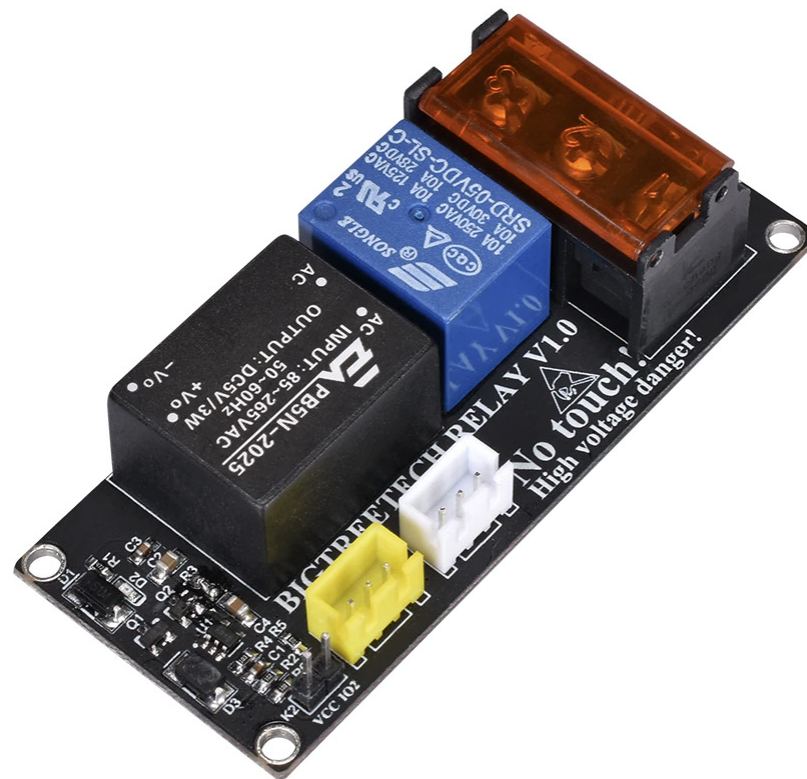


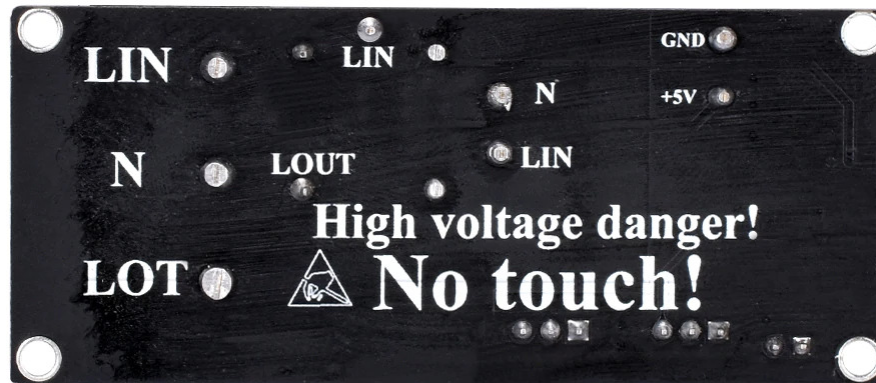










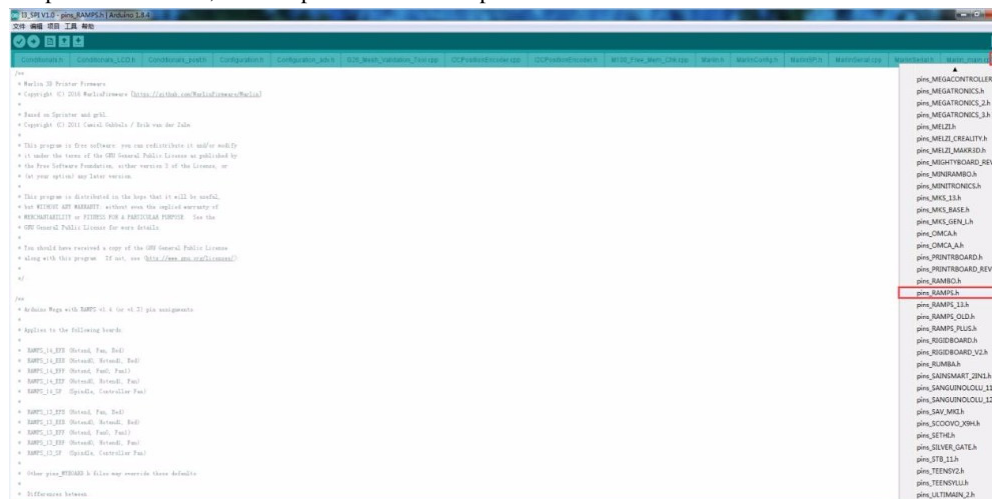


FAQ:

Q:How can I use it after connecting the module?

A:Firmware modification: Take BIGTREETECH GEN V1.0 as an example.

1.Open the firmware, find the pin-RAMPS and open it as shown.



2. Search for PS_ON and change the PIN to the IO port of the connected auto-shutdown signal line:


```

#define FAN1_PIN    RAMPS_D0_PIN
#if ENABLED(CS_RAMPS_SF) // Spindle, Fan
#define FAN1_PIN    RAMPS_D0_PIN
#else // Non-specific use "EFD" (i.e., "EFD0" or "EFD2")
#define FAN1_PIN    RAMPS_D0_PIN
#define HEATER_RED_PIN RAMPS_D0_PIN
#endif
#define FAN1_PIN    MOSFET_D_PIN
#define HEATER_1_PIN MOSFET_D_PIN
#endif

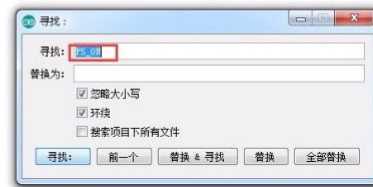
// Misc. Functions
//
#define SDOSS      53
#define LEO_PIN    13

// Pin definitions
//
#define FILWIDTH_PIN 5 // Analog Input on AUX2
#define FIL_RUNOUT_PIN 4

// define digital pin 4 for the filament runout sensor. Use the RAMPS 1.4 digital input 4 on the servos connector
#define FIL_RUNOUT_PIN 4

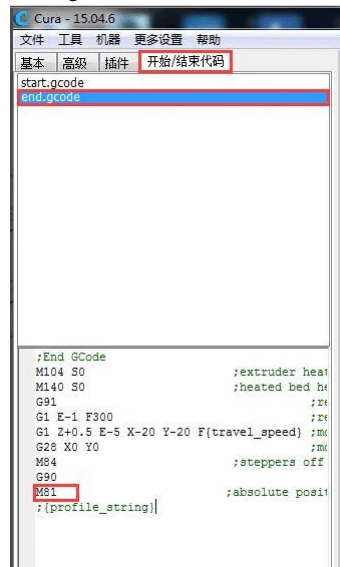
// End of PS_ON_PIN
#define PS_ON_PIN 4

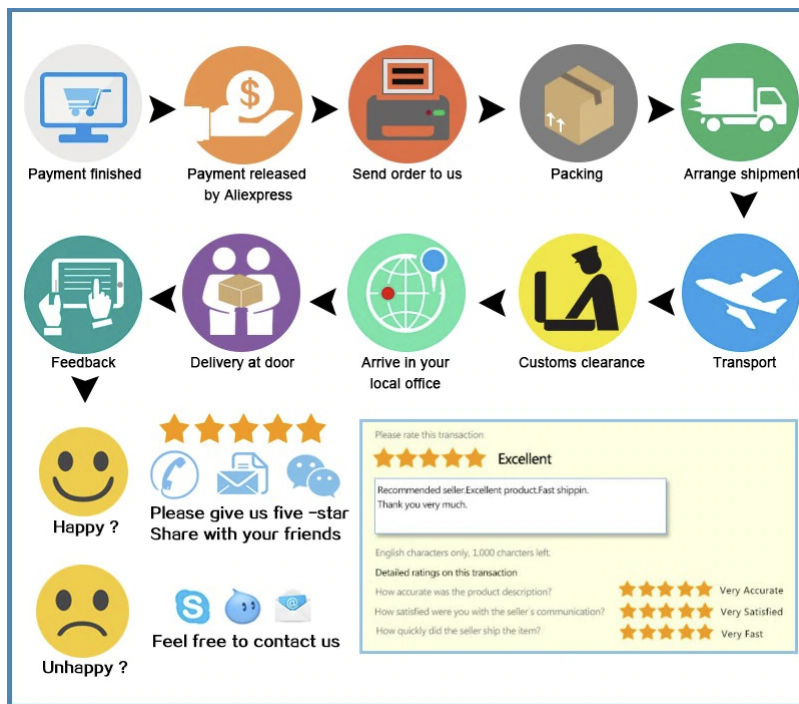
```



3. Save and brush;

4. Change the slice section, taking CURA as an example, and add a G-CODE (M81) at the end of the closing CODE.





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