

Product Descriptions

Electronic Delay-off Timer Module

Model #: BRT-V490



▶ Features:

BRT-V490 is an electronic delay-off timer module which is to be used together with a traditional mechanical ON/OFF switch and enable it to have automatic delay-off timer function. Designed for easy installation and retrofit, it directly sits behind the traditional switch panel and fits into a standard wall box.

- Small modular design;
- Easy installation with two wire connection (no neutral wire required);
- Continuously adjustable delay-off time from 2 minutes to 40 minutes;
- Good for all kind of loads;
- ABS-V0 flame resistance material; and
- High quality build.

▶ Product Pictures:

Fig. 1 and Fig. 2 show BRT-V490 Electronic Delay-off Timer Module viewed from two different angles



Fig. 1



Fig. 2

Product Description of BRT-V490

Floor 2nd~3rd, Building E, North Area No.2 of Shangxue Science Park, Bantian, Shenzhen, China

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It has a tuning screw for adjusting delay-off time manually to a preset value (to be done at initial installation) at one end, and has lead wires and terminal screw blocks for wiring connections at the other end.

▶ **Specification Parameters:**

Input Voltage	220~240V(50Hz/60Hz)	Operating Temperature	-10℃~50℃
Wattage	≤100W	Relative Humidity	No-condensation 20-90% RH
Dimension	45mm x 22mm x 17mm	Weight	10g

▶ **Wiring Diagram and Installation Guide:**

As shown in Fig. 3, BRT-V490 Electronic Delay-off Timer Module only requires two wires for installation. Its two lead wires connect to ACL and load respectively

- Hot wire (Lin): Coming in from the power line ACL with 220V; and
- Load wire (Lout): Going out to the load and then ACN.

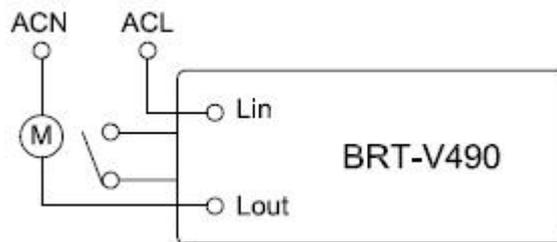


Fig. 3 BRT-V490 wiring diagram

The two screw blocks in the middle are for connecting to a mechanical switch.

Warning: *Please make sure power is turned off before starting installation!*

Fig. 4 shows the step-by-step installation instructions. There are four easy steps:

- Step one: Use a screwdriver to pry off the front plate of the mechanical switch;
- Step two: Wiring according to the diagram and the labelled ports of the switch;
- Step three: Rotate the tuning screw using a screw driver to set delay off time as desired as

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shown in Fig. 5; and

Step four: Install the switch to the wall box using screws and put back the front plate.

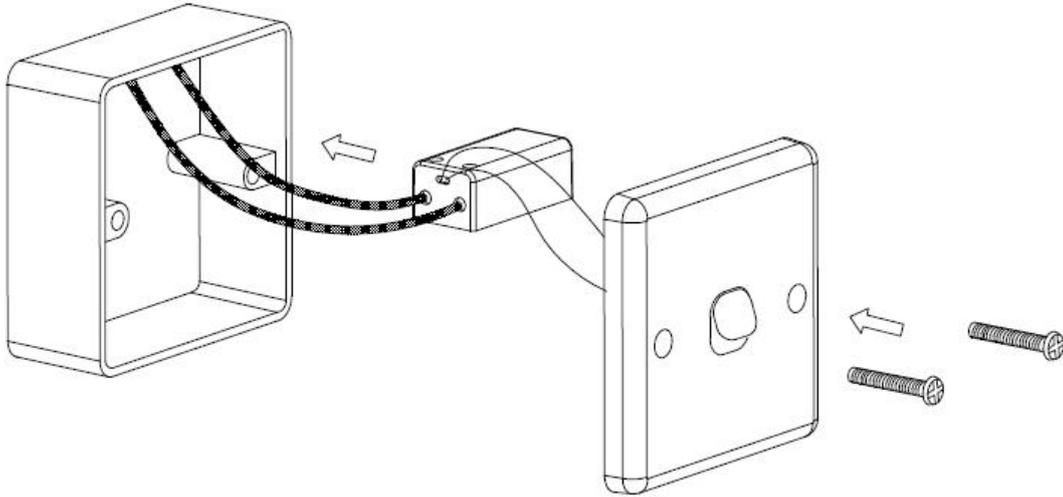


Fig. 4 Installation Guide

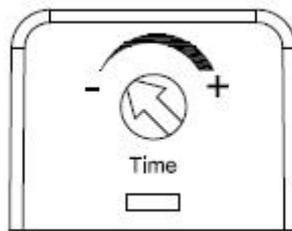


Fig. 5 Delay-off Time Adjustment

Applications:

BRT-V490 Electronic Delay-off Timer Module can be used together with a traditional mechanical switch for automatically turning off various loads such as fans and lights. It is perfect for saving energy and bringing convenience and safety to our daily life and work. It has wide applications at various locations such as kitchen, hotels, washing room, storage room, etc

Typical application scenes include:

1. Exhaust Fan delay-off control: When using BRT-V490 in kitchen or washroom, the user can set the delay time according to the ventilation need for the site so that the power is automatically turned off after the odor or moisture is cleared out.

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2. Lighting: When lighting is controlled by a traditional mechanical switch, sometimes there is a safety concern because the light is always immediately turned off. With BRT-V490 installed behind a traditional mechanical switch, the user can always exit an area with peace of mind because of the delay-off feature.

How to Order:

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