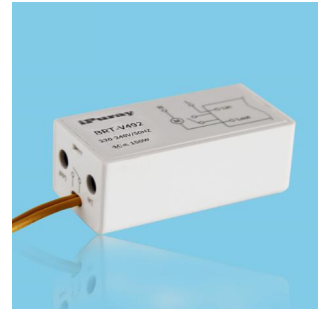


## Product Descriptions

### Electronic Delay-off and Delay-on Timer Module

**Model #:** BRT-V492

(Please visit our website [www.a-brt.com](http://www.a-brt.com) for more info)



#### **Features:**

BRT-V492 is an electronic delay-off and delay-on timer module which is to be used together with a traditional mechanical ON/OFF switch and enable it to have automatic delay-off as well as delay-on 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 L&N input;
- Adjustable delay-off time with 4 precise discrete timing settings from 0.1 seconds to 90 minutes;
- Adjustable delay-on timer from 0 seconds to 5 minutes;
- Two potentiometer tuning screws for delay on and delay off timer setting;
- Good for ventilation fan control and lighting control;
- ABS-V0 flame resistance material; and
- High quality build.

#### **Product Pictures:**

Fig. 1 and Fig. 2 show BRT-V492 Electronic Delay-off and Delay-on Timer Module viewed from two different angles.



**Fig. 1**



**Fig.2**

*Product Description of BRT-V492*

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It has two tuning screws and one dip-switch for adjusting delay-off time or delay-on 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 on the other end.

#### Specification Parameters:

Input Voltage	220~240V(50Hz/60Hz)	Operating Temperature	-10℃~45℃
Wattage	≤150W	Relative Humidity	No-condensation 20-90% RH
Wiring	Two-wire system	Standby Power	≤0.3W
Dimension	45mm x 22mm x 17mm	Weight	10g

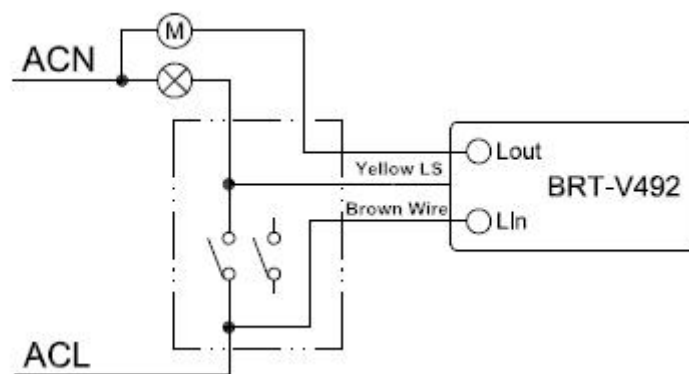
#### Wiring Diagram and Installation Guide:

As shown in Fig. 3, BRT-V492 Electronic Delay-off and Delay-on Timer Module only requires three 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.

LS wire (Live Switch): Coming in from the BRT-V492 and going to the mechanical switch.



**Fig. 3** BRT-V492 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:

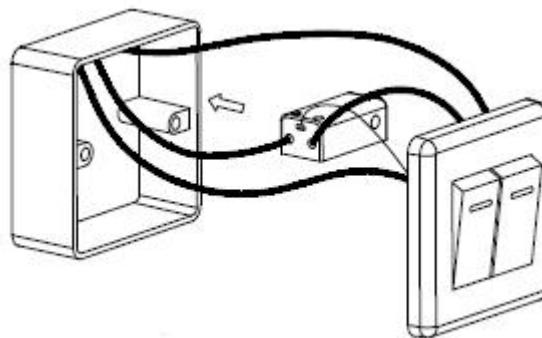
Step one: Use a screwdriver to pry off the front plate of the mechanical switch;

Step two: Wiring according to the diagram and the labeled ports of the switch;

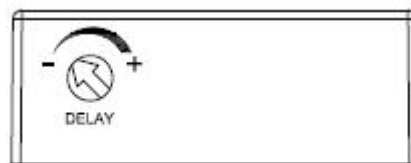
Step three: Adjusting the potentiometer and dip-switch to set delay off or delay on time as desired as shown in Fig. 5 and Fig.6; and

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

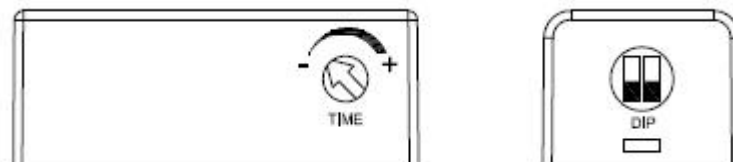
Note: Rotate the potentiometer “DELAY” using a screw drive to adjust the delay-on time from 0 minutes to 5 minutes. Adjust the dip-switch to set different combinations of delay-off time period and then rotate the potentiometer “TIME” to adjust your required delay off time.



**Fig. 4** Installation Guide



**Fig. 5** Potentiometer “DELAY” for Delay-on time setting



**Fig. 6** Dip-switch and Potentiometer “TIME” for Delay-off time setting

### Dip-switch Combination

The 2 dip switches are used to set the delay off time to 4 settings based on different combinations.

Fig. 7 shows all the combination of the dip switches. Each combination corresponds to a delay off

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setting.



**Fig. 7** Dip-switch Combination

### **Applications:**

BRT-V492 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-V492 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.
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-V492 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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