

Features

VBRTV492 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 ventilation fan switch panel. It has wide applications at various locations such as kitchen, hotels, washing room, etc.

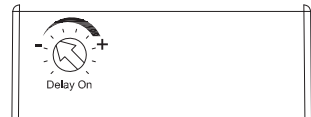
Specification Parameters

Rated Voltage: 220 ~ 240V /50Hz
Maximum Load Power: 150W max
Operating Temperature:-10°C ~ 50°C
Standby Power: ≤0.3W

Operational Guide

1. Wiring according to the diagram. Please wait for 3 seconds for initialization. (Caution: The lamp load must be connected to the circuit, otherwise the fan cannot work normally.)
2. When you turn on the wall switch, the light will come on while the ventilation fan will run at preset delay on time. When you turn off the wall switch, the light will turn off instantly while the ventilation fan will stop running at preset delay off time.
3. Set the delay on and delay off for the ventilation fan:

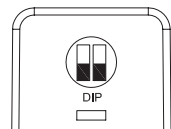
Delay on : As shown in the figure on the right, rotate the "Delay On" potentiometer by using a screw driver to roughly adjust the delay-on time from 0 minutes to 5 minutes. Adjust the potentiometer clockwise to increase the delay on time, and the maximum delay on time is 5 minutes; Adjust the potentiometer counterclockwise to decrease the delay on time, and the minimum delay on time is 0 minutes.



Delay off : As shown in the figure on the right, adjust the dip-switch to set different combinations of delay-off time period and then rotate the "Delay Off" potentiometer to roughly adjust your required delay off time from 0.1 second to 90 minutes.

Dip-switch combination:

The 2 dip switches are used to set the delay off time to 4 settings based on different combinations. Following diagram shows all the combination of the dip switches. Each combination corresponds to a delay off setting range.



0.1s - 20s



1s - 75s



8s - 11min

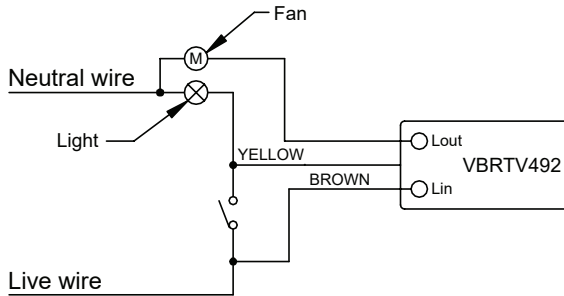


1min - 90min

Caution:

1. During delay on timer period, if user turns off the light, the ventilation fan will not be on. If the light stays on, the ventilation fan will be turned on at preset delay-on time. After user turns off the light, the ventilation fan will be turned off at preset delay-off time.
2. The delay on and delay off timer functions are only set for the ventilation fan. The potentiometer can only roughly adjust the delay time.

Wiring Diagram



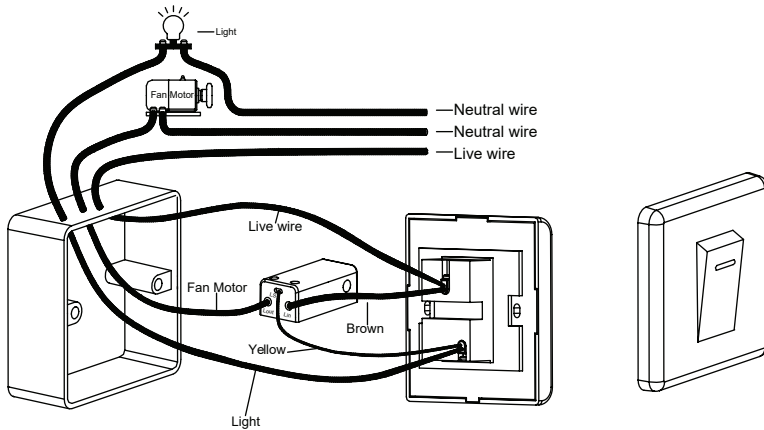
Installation Guide

There are three easy steps:

Step one: Use a screwdriver to remove the front plate of the mechanical switch, wiring according to the diagram and the labeled ports of the switch.

Step two: Adjusting the potentiometer and dip-switch to set delay off or delay on time as desired.

Step three: Install the Timer Module BRT-V492 in the flush box using screws and reinstall the front plate.



Caution: Installation must be done by qualified personnel only. Follow instructions to avoid electric shock.