

Product Descriptions

Push Button Timer Switch (Neutral Required)

Model #: BRT-416

(Please visit our website www.a-brt.com for more info)



Features:

BRT-416 is a push button timer switch which is controlled by a micro controller unit and has timing capability for one load. It is designed for easy installation and retrofit, directly fit into standard wall box where both hot wire and neutral wire are present.

- Load power up to 2000W;
- 8 different delay-off time settings from 2 minutes to one hour, adjustable by user using dip switches;
- Manual override. Easy to use. A gentle push will turn on or turn off the load;
- Good for all kind of loads;
- ABS-V0 flame resistance material; and
- Classical 86 series design and high quality build.

Front View and Back View:

Fig. 1 and Fig. 2 show the front view and the back view of BRT-416 push button timer switches respectively. It has a push button and an LED light on its front, and terminal blocks and dip switches on its back. The LED light makes it easy to find the switch even in the dark.



Fig. 1 Front View



Fig. 2 Back View

Specification Parameters:

Input Voltage	220~240V(50Hz/60Hz)	Operating Temperature	-20℃~55℃
Wattage	2000W	Relative Humidity	No-condensation 20-90% RH
Mounting Hole Spacing	60mm	Matching Box	75mm x 75mm x 50mm
Dimension	86mm x 86mm x 43mm	Weight	72g

Wiring Diagram and Installation Guide:

BRT-416 push button timer switch requires both the hot wire and the neutral wire for installation:

Hot wire (ACL): Coming from the power line with 220V;

Neutral wire (ACN): Usually coming with the hot wire; and

Load wires: Going to the loads.

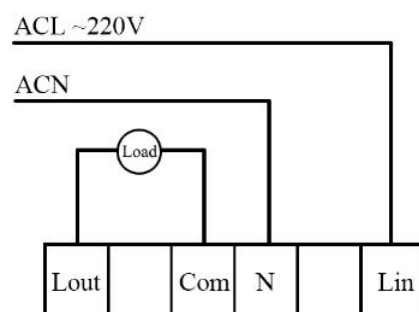


Fig. 3 BRT-416 Wiring Diagram

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

Fig. 3 shows the wiring diagram and Fig. 4 shows the step-by-step installation instructions. There are three easy steps:

- Step one: Use a screwdriver to pry off the front plate in position A;
- Step two: Wiring according to the diagram and the labelled ports of the switch; and
- Step three: Install the switch to the wall box using screws and put back the front plate.

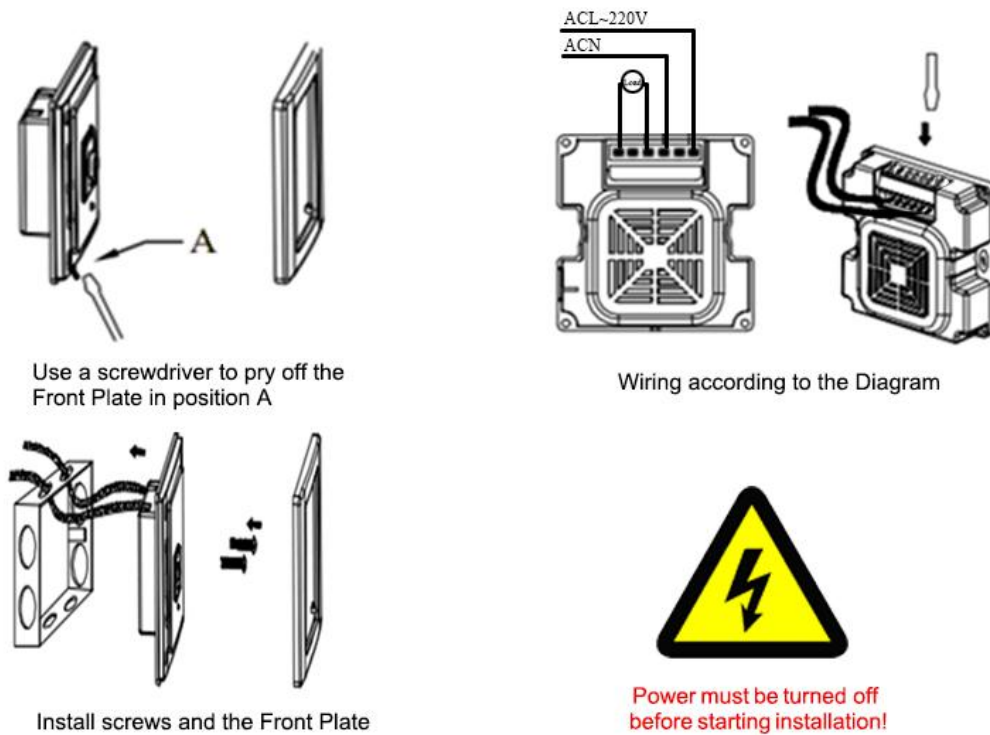


Fig. 4 BRT-416 Installation Guide

BRT-416 Operation Guide:

- Set up delay-off function: There are 4 dip switches on the back of BRT-416 timer switch, as shown in Fig. 5. These dip switches are used to set the delay-off time to 8 settings based on different combinations.



Fig. 5 Dip Switches for Setting up Delay-off Time

Fig. 6 shows all the dip switches are in “off” positions. Each combination corresponds to a delay off setting.

0000	delay off time = 2 minutes
1000	delay off time = 5 minutes
0100	delay off time = 10 minutes
1100	delay off time = 20 minutes
0010	delay off time = 30 minutes
1010	delay off time = 40 minutes
0110	delay off time = 50 minutes
1110	delay off time = 60 minutes

0 = off and 1 = on

(Other factory settings are available. Please talk to our sales representatives).

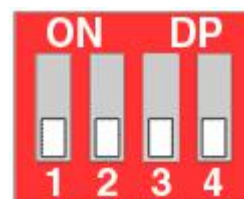


Fig. 6 Dip Switches in 0000 Positions

- Switch on/off the load: Once the delay-off time is set up, pushing the button on the front will turn on the load. The load will be automatically turned off after the delay-off time runs out.

During the delay-off time countdown, pushing the button will turn off the load immediately.

Applications:

BRT-416 push button timer switch can be used for automatically turning on and/or turning off various loads such as fans, lights, appliances, or other kinds of electrical equipment, especially for high power loads. They are perfect for saving energy and bringing convenience and safety to our daily life and work.

They have wide applications at various locations such as homes, hotels, schools, laboratories, hospitals, offices, etc.

How to Order:

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