

Keypad Humidity Control Switch

Model #: BRT-550



Features:

BRT-550 is a smart control switch for dehumidifier, humidifier, or general humidity control appliance. With built-in humidity sensor to get room environment humidity value, it can turn on or turn off the load automatically at preset humidity settings.

- Bilateral humidity control: If it's connected to humidifier and when the humidity in the room is lower than the preset humidity, it will turn on the humidifier automatically. If it's connected to dehumidifier and when the humidity in the room is higher than the preset humidity, it will turn on the dehumidifier automatically;
- Load up to 350W;
- LCD display showing the load working status and current room humidity;
- User friendly front panel key pads for easy manual operation or automatic humidity settings;
- ABS-V0 flame resistance material; and
- Classical 120 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-550 humidity control switch.



Fig. 1 Front View



Fig. 2 Back View

▶ Specification Parameters:

Input Voltage	110~120V(60Hz)	Operation Temperature	No-condensation 20-90% RH, -10℃~65℃
Wattage	350W Max.	Humidity Range	10%~95%
Mounting Hole Spacing	60mm	Matching Box	104.8mm*45mm* 28mm
Dimension	114.3mm*69.8mm	Weight	116g

▶ Wiring Diagram:

BRT-550 humidity control switch requires both hot wire and neutral wire for installation:

Hot wire (ACL): Coming from the power line with 110V~120V;
 Neutral wire (ACN): Usually coming with the hot wire; and
 Load wire: Going to the load.

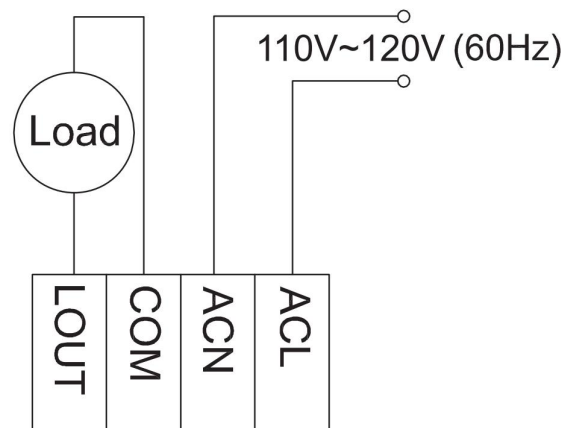



Fig. 3 BRT-505 wiring diagram

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


▶ BRT-550 Operation Guide:

1. Mode Selection:

The humidity control switch has three operation modes: Press the “+” button to enter the Humidifier mode, press the “-” button to enters the Dehumidifier mode, and press the “SET” button to enter the Manual Mode.

In Humidifier Mode, the LCD Display will show . The load will be automatically turned on when the room humidity is lower than preset humidity value, and the load will be automatically

turned off when the room humidity value is higher than preset humidity value.

In Dehumidifier Mode, the LCD Display will not show . The load will be automatically turned on when the room humidity is higher than preset humidity value, and the load will be automatically turned off when the room humidity value is lower than preset humidity value.

In manual mode, press the SET button to turn ON or turn OFF the appliance.

2. Humidity Setting

In Humidifier mode or Dehumidifier mode, press the SET button to enter the humidity value setting mode, and the digital number on the LCD Display will be flickering. Press + / - to set Humidity Value, and press SET button again to save and exit.

3. Manual Control Function and Power Failure Memory Function

In manual control mode, the humidity setting will be saved automatically, even in case of power failure.

Applications:

BRT-550 humidity control switch is used for automatically turning on and/or turning off various loads in preset humidity value. These loads include exhaust fans, humidifier, dehumidifier or other kinds of electrical equipment. They are perfect for bringing convenience and safety to our daily life and work.

How to Order:

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