

Product Descriptions

Touch Screen Thermostat

Model #: u509

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



Features:

u509 is a multi-function intelligent temperature switch that can be remotely controlled by mobile phone. It has two loads control, one load controls heating device, and the other load controls cooling device. It can control the temperature independently to achieve thermostat.

The thermostat is good for all kinds of loads needing temperature control. It can control two loads. User can set temperature threshold and load type to control the loads automatically.

- Large LCD display;
- Touch screen control ;
- Up to 2000W high wattage;
- AC power supply and battery operated optional;
- Load type selection: cooling device or heating device;
- Detect room temperature for auto control;
- Hold room temperature to preset setting;
- Work as a thermostat independently or as a sensor in a system;
- Control up to two loads simultaneously; and
- Manual control override.

Product Pictures:

Fig. 1 and Fig. 2 show the front view and back view of u509 touch screen thermostat respectively.



Fig. 1 Front View



Fig. 2 Back View

Specification Parameters:

Power Supply	100V ~240V	Temperature Range	-10°C ~ 45°C
Power Supply	2*1000W	Dimension of the switch	86*86*58mm
Weight	180g	Dimension of LCD	86*86*17mm

Wiring Diagram and Installation Guide:

u509 touch screen thermostat requires both hot wire and neutral wire for installation:

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

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

Load wire: Going to the load.

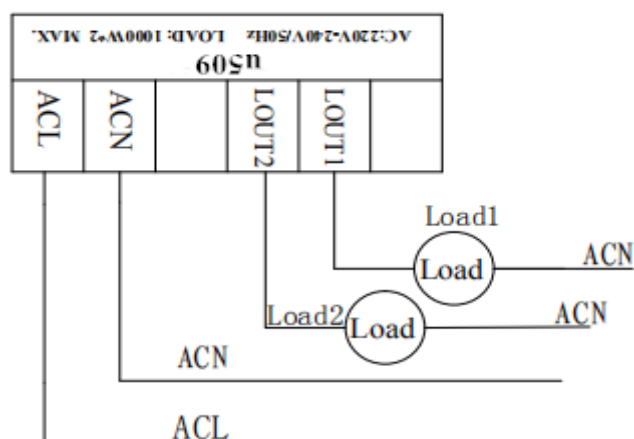


Fig. 3 u509 Wiring Diagram

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: Hold the touch screen temperature sensor, push up to separate the temperature sensor sub-unit and the power supply sub-unit;
- Step two: Wiring according the the diagram; and
- Step three: Mounting the power supply sub-unit with screw and fix the temperature sensor to the power supply.

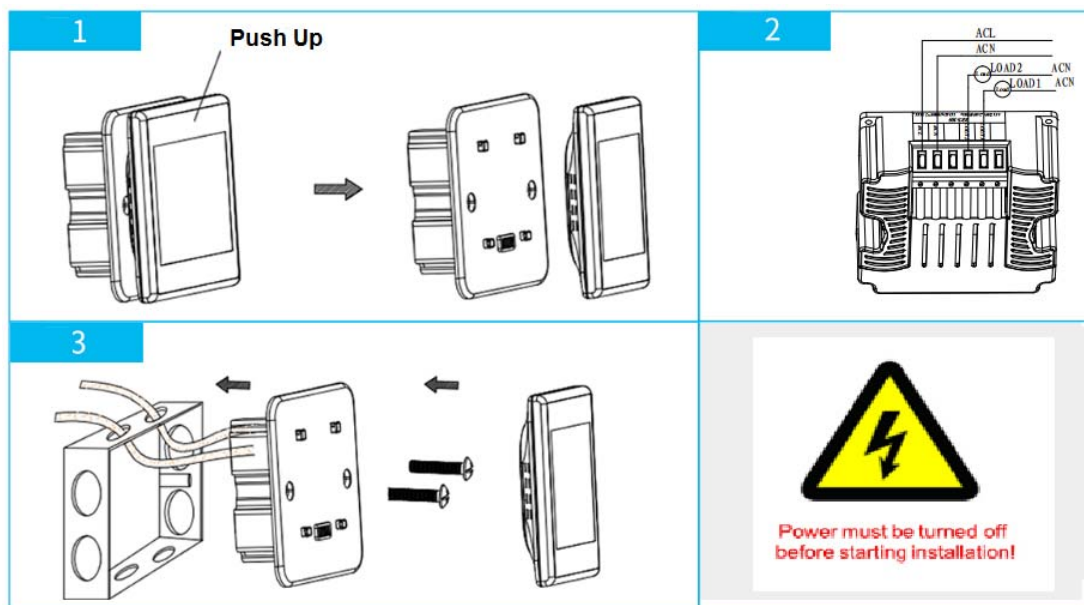


Fig. 4 u509 Installation Guide

▶ Operation Guide:

Work as An Independent Thermostat

- Once “SET” button is pressed, temperature setting, hour setting, minute setting , first load type setting, second load type setting will flash in sequence. When the setting is flashing, press ▲ and/or ▼ to increase and/or decrease the setting value or switch the load type (holding ▲ and/or ▼ button can change the setting quickly). After all the settings are completed, press “SET” button again to save all the settings.
- When setting the load type, if the display shows 1. ON HEAT, it means the load is a heating unit; if the display shows 1. ON COOL, it means the load is a cooling unit. And the second load works in the same way.
- When current temperature is lower than the setting temperature, the load will turn on automatically if it is a heating unit. When current temperature is higher than the setting temperature, the load will turn on automatically if it is a cooling unit.

Configuring with smart phone for remote control

1. Scan below QR code to download “iPuray”APP. Connect u509 through the APP;



2. Users can set or revise the expected temperature and the type of 2 loads via smart phone;
3. Remark the name of load, turn on/off load manually and monitor the room temperature in real time on the smart phone.

Applications:

u509 is a 2-load temperature control switch that can be remote controlled by smart phone. It can simultaneously connect heating devices like heaters and fan heaters, and cooling devices like air coolers and fans. When the room temperature is lower than preset temperature, the heating device will be turned on automatically; When it is higher than preset temperature, the cooling device will be turned on automatically.

This switch can be widely used in vegetable greenhouses, food warehouses, precision rooms, incubators, nursing homes, etc.

How to Order:

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