European Style Wall Mount PIR On/Off Switch

Model #: **e340**

Features:

e340 is a wall mount occupancy sensor switch which utilizes passive infrared (PIR) sensor to detect the heat (in the form of infrared energy) from people moving within a space. It can determine when a space is occupied and turns on or turns off the loads automatically. It has an advanced micro controller unit and uses a proprietary signal processing technique to avoid false triggers.

With built-in wifi module, relay and 2.4G wireless circuit, our e340 smart home switch not only can work as an independent switch with WiFi gateway, but also can be used as a master hub working with other RF slave switches, sensors and remote to establish a smart home system. Users can check load status, set timer or delay-off time of the load, set automatic control task with sensors and set alarm tasks on the phone APP.

As standalone switch:

- Instant on and adjustable delay off time from 30 seconds to 120 minutes;
- Ambient light sensitivity level adjustable;
- PIR sensitivity level adjustable;
- Load power up to 600W;
- Good for all kinds of loads (resistive, capacitive, and inductive);

As master hub:

- Can link up to 25 slave devices as master hub;
- RF wireless transmission between master hub and slave devices;
- Support timer setting on the APP;
- Support automatic control tasks with slave devices on the APP;
- Support alarm function and tasks on the APP.

Fig. 1 and Fig. 2 show the front view and the back view of the e340 smart home switch respectively.

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Fig. 1 Front View

Fig. 2 Back View

Specification Parameters:

Input Voltage	108～240V(45~65Hz)	Operation Environment	No-condensation 20-90% RH，-20℃～40℃
Wattage	600W max for incandescent; 150W max for led light	Load type	All Types
Dimension (max)	86*86*41.8mm	Working Range	1m to 8m in diameter when mounted at a height of 1.2m

Wiring Diagram and Installation Guide:

e340 PIR sensor switch requires both hot wire and 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 wire: Going to the load.

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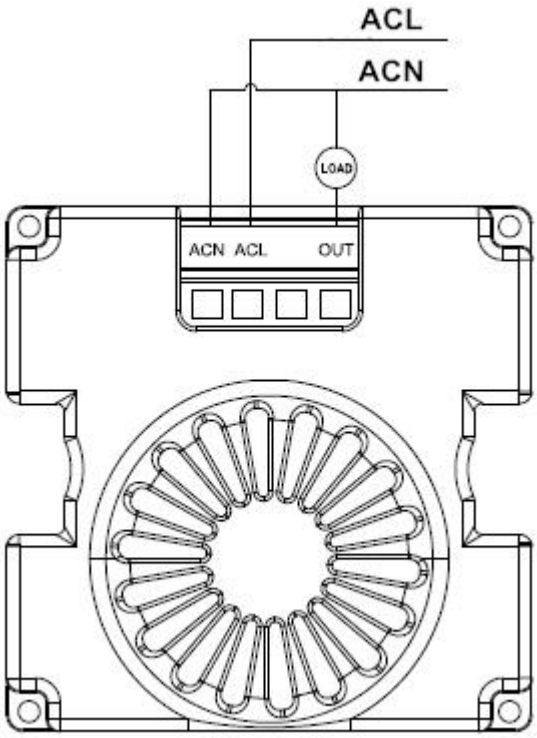

Fig. 3 e340 Wiring Diagram

Fig. 3 shows the wiring diagram. Wiring must be done according to the diagram and the labelled ports of the switch.

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

The following are the step-by-step installation instructions. There are three easy steps:

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

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

Step three: Install screws and front plate.

Cautions:

1. Avoid mounting the sensor switch close to air vents, as the vibration and air flow can reduce the effectiveness of the sensor switch;
2. Avoid installing the sensor switch in an electrical circuit which has other frequent on/off switch or appliance, as those on/off actions could cause false triggers.

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Operation Guide:

1. Install iPuray App

Scan the QR code below or access our Application download link to download our iPuray App. Register an account with your smartphone

[http://iot.a-brt.com/update/download]

2. Configure e340 Gateway Switch

1) After powering on e340 initially, the indicator light will flash quickly, indicating the switch is in internet configuration mode. The switch will automatically exit internet configuration mode 5 minutes later.

2) Open the iPuray App, enter “u” series switch and select gateway switch. Press “add device”, and enter name and password of your router. Then, power on e340 again, use App to view available WiFi hotspots, select and connect to the wifi related to e340’s ID. Adding device will be completed when going back to the App’s main menu. Please make sure to keep internet connected during this process.

3) Indication light status:

Status	Description	Solution
On	Connected to router	
Slow Flash	Not connected to internet	Check if the router is working properly
Off	Not connected to router	Check if the router is turned on and the password is correct
Quick Flash	Configuration Mode	In internet configuration mode. Press the switch button again to exit after configuration succeeded.

3. Add Device on APP:

1.) Select appropriate ID No. of e340 on the App
2.) Add wireless device
   a. Add switches: in the switches list, click the icon at the top-right corner, (as shown in Fig. 4).
   b. Add sensors: in the sensors list, click the icon at the top-right corner.

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c. Add remote control: in the Air conditioner list, click the icon at the top-right corner.

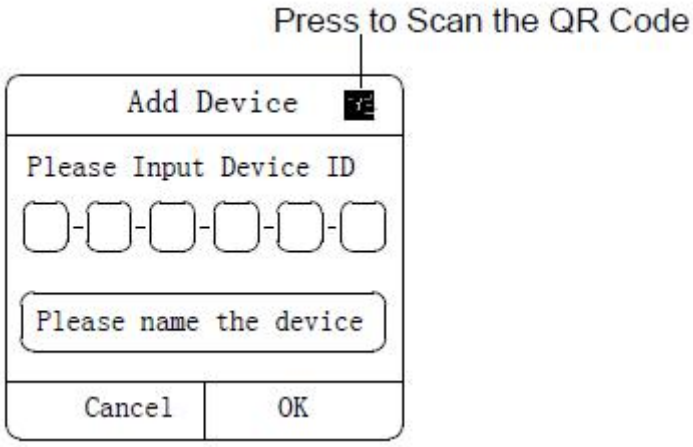

Fig. 4 e340 Add Device

4. Control Device on App:

1.) Control switches: Select switch → switch ID to enter the switch control interface (as shown in Fig. 5).

2.) Control air conditioner: select remote control → remote control ID to enter the air conditioner control interface (as shown in Fig. 6). For the first time use, enter remote control configuration interface, set the remote control accordingly.

3.) Check the sensor: select sensors to enter the sensor interface (check the sensor status).

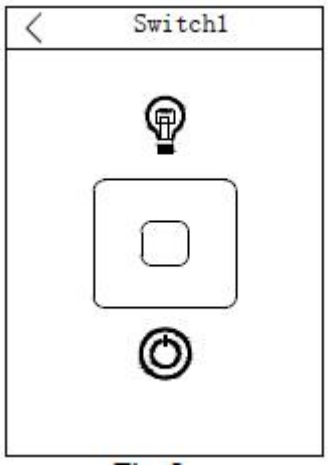

Fig. 5

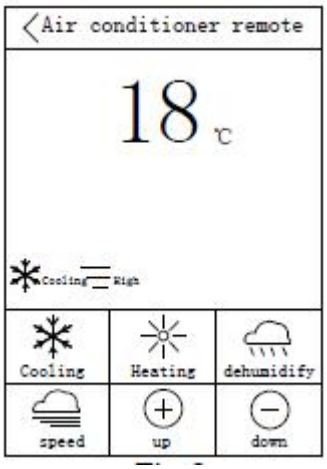

Fig. 6

5. Set Switch Automatic Control Task

1.) Switch automatic control task

a. Press and hold the switch ID NO to access a pop-up box as shown in (Fig.7). Press auto control setting, and check the pre-set automatic control conditions (as shown in Fig. 8).

b. Press Add task to access to the interface as shown in (Fig. 9). User can add timer, sensor control and delay off control. Press Save to save all the settings.

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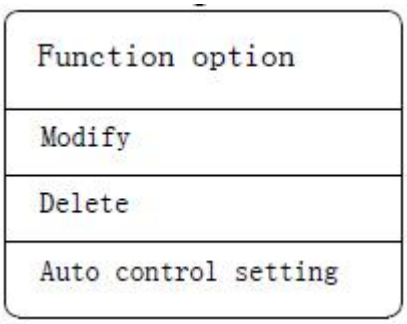

Fig.7

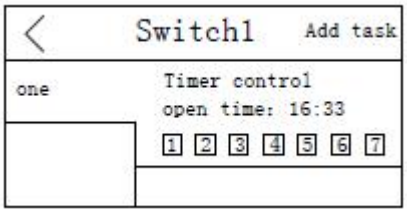

Fig.8

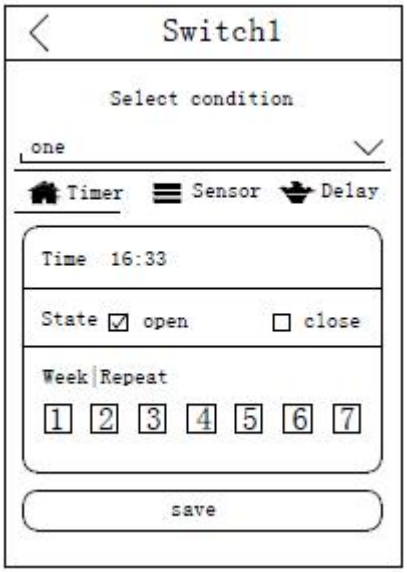

Fig.9

2). Set Remote automatic control

a. Press and hold the remote ID NO to access to pop-up box as Fig.10. Press auto control setting, and check the preset automatic control conditions(as Fig. 11).

b. Press "+" at the top right corner to access to the interface as Fig. 12. User can add timer or sensor control in the APP. Press "Save" to save all the settings.

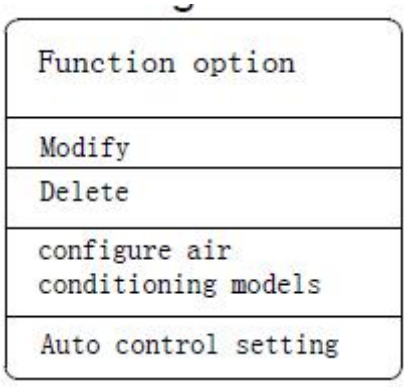

Fig.10

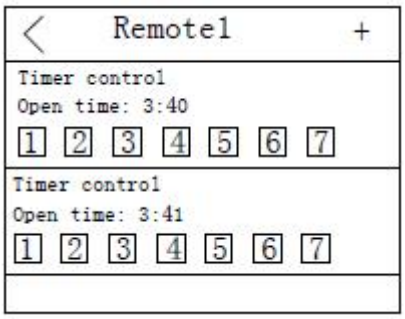

Fig.11

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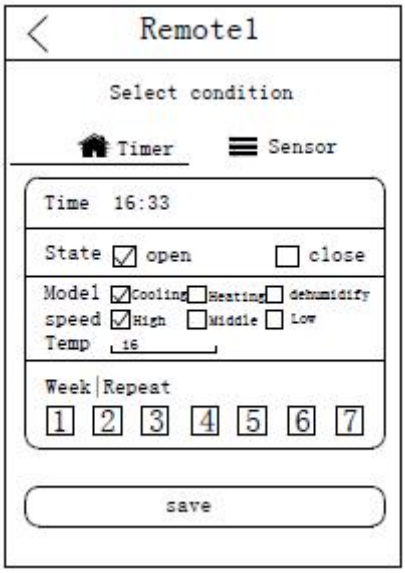


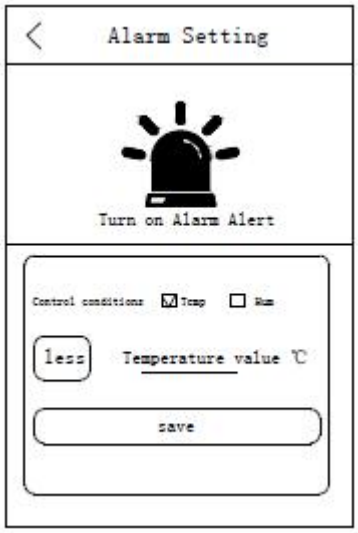
Fig.12

6. Set Alarm Task in the App:

a. Set the trigger condition of the sensor: press and hold the sensor ID NO. to access to alarm setting interface as shown Fig. 13.

b. Turn on/off the alarm function on the sensor interface.

c. Press the three-point icon at the top-right corner to set timer for the alarm function (as shown in Fig. 14). After completing the timer setting, press “Save” to save all the settings.



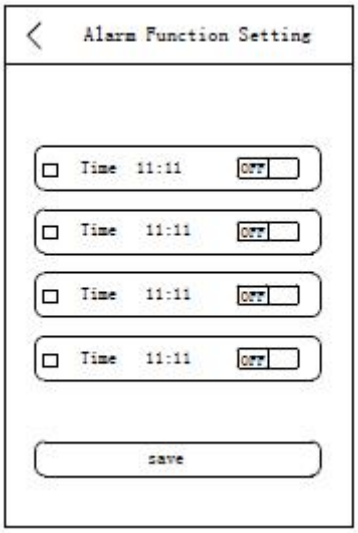


Fig.13 **Fig.14**

7. Delete and Modify

a. Delete the smart home switch: press and hold the ID NO. of the smart home switch and press

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delete at the pop-up box.

b. Delete or modify the RF devices: press and hold the ID NO. of the device and press delete or modify at the pop-up box.

8. Set the PIR Parameters of the Smart Home Switch

Press and hold the ID NO. of the device and set the PIR parameters at the pop-up box.

9. Share the Smart Home Switch

Press and hold the ID NO. of the device and press share device at the pop-up box.

Applications:

e340 ceiling mount PIR occupancy sensor can be used for automatically turning on and/or turning off various loads such as lights, fans, appliances, or other kinds of electrical equipment. 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 stairwells, corridors, washrooms, offices, conference rooms in homes, schools, laboratories, hospitals, offices, etc.

How to Order:

Please contact us:

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