



Description

The HSE-BC1 Series Bluetooth zone controllers feature a 16A relay for controlling higher capacity loads than standard fixture controllers.

Features

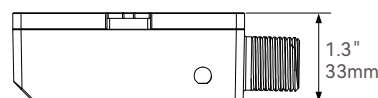
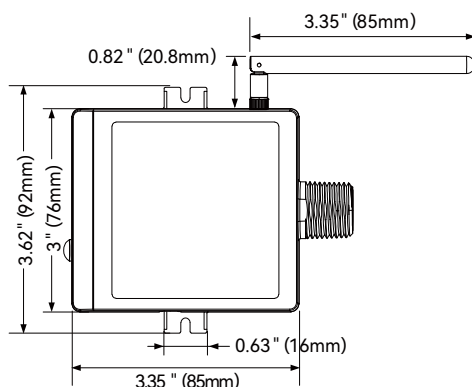
- AC 120-347V Input
- Integrated 16A relay
- Product Functions:
Energy Monitoring / Current Monitoring / Voltage Monitoring /
Power Consumption Monitoring / Overload Protection /
Zero-Crossing Switch.



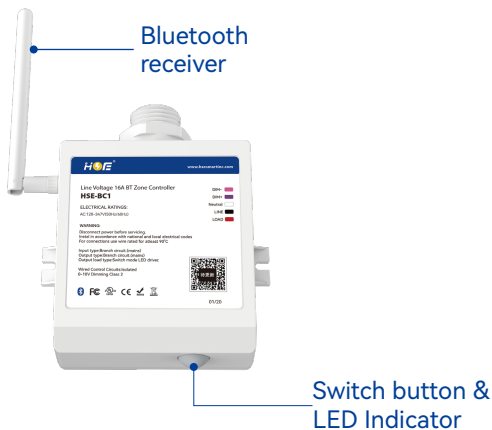
Specifications

Input Voltage	AC120-347V
Frequency	50/60Hz
Control Method	DIM 0-10V Switch Control
Load Switching capacity	277VAC: 16A Magnetic/Resistive 10A@120V; 4.5A@277V Tungsten/Electronic
Product Functions	Energy Monitoring Current Monitoring: Accuracy $\pm 0.1A$ Voltage Monitoring: Accuracy $\pm 5V$ Power Monitoring: Accuracy $\pm 2W$ Overload Protection Zero-Crossing Switch
Control Device	HSE WISE APP
Energy Monitoring	Power / Current / Voltage
Dim level	Minimum Brightness – 100% (The minimum value can be set in the zone settings panel)
Bluetooth control range	>150m 492.13ft ,(open and unobstructed environment)
Bluetooth Version	5.4
Working Temperature	-30°C to 60°C
IP Rating	IP65
Warranty	5 Years

Dimensions



Product Overview



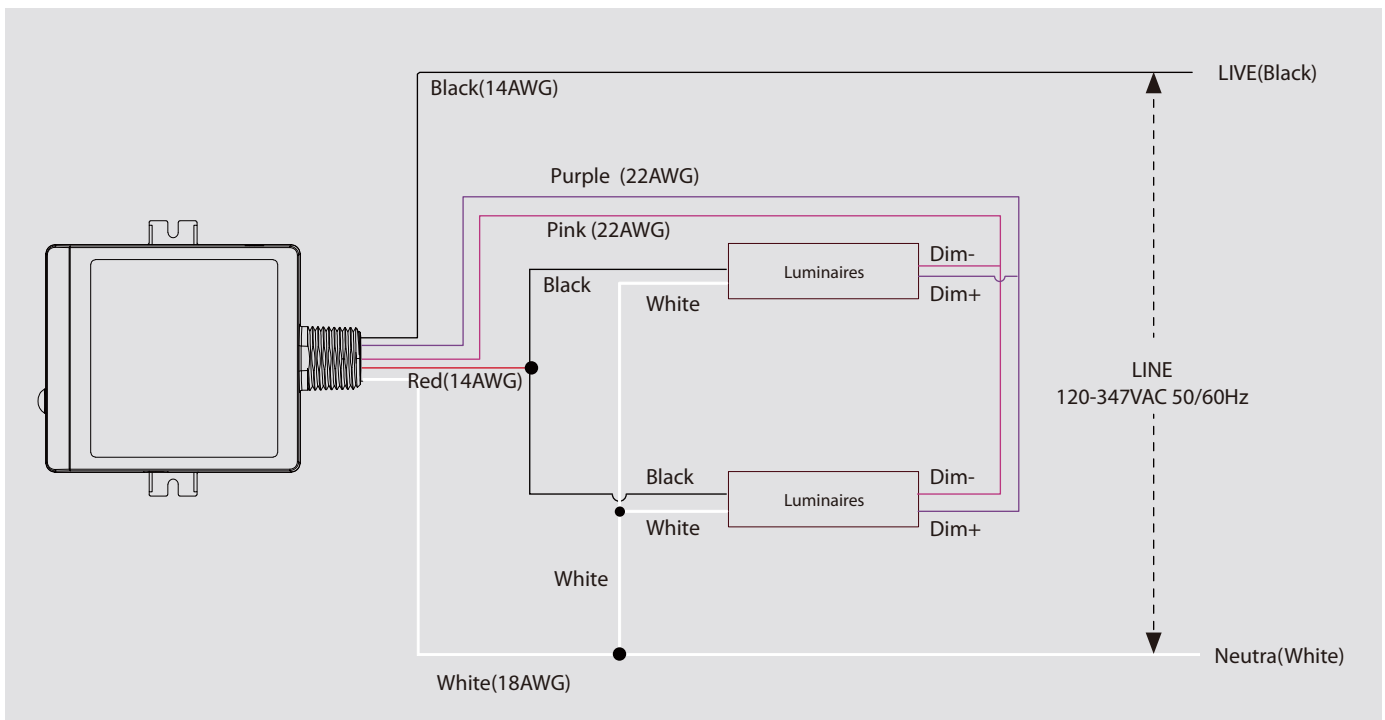
Button Functions

1. Short press to turn the device ON/OFF.
2. Press and hold the button for ≤ 5 seconds to reset the device.

LED Indicator Description

1. After resetting a paired device, the red LED indicator flashes rapidly 3 times, then turns off and remains off.
2. After resetting an unpaired device, the red LED indicator flashes 5 times, then turns off and remains off.

Wiring



Pairing & Usage Guide

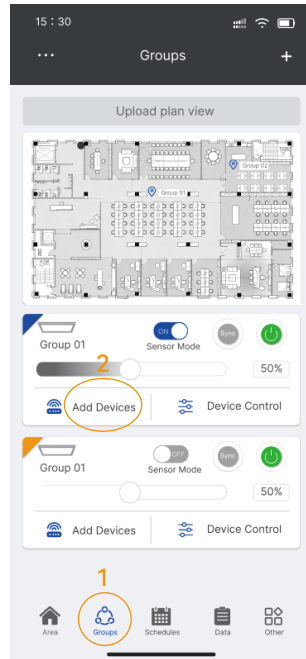
1. Preparation

- Search for and download the **HSE WISE APP** from your app store, then complete installation, registration, and login.
- Enable Bluetooth on your mobile device and ensure it remains active.

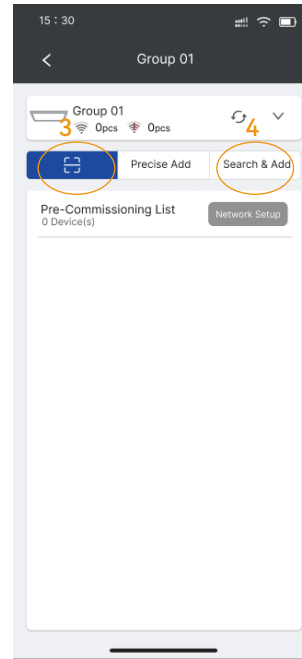


2. Device Pairing Steps

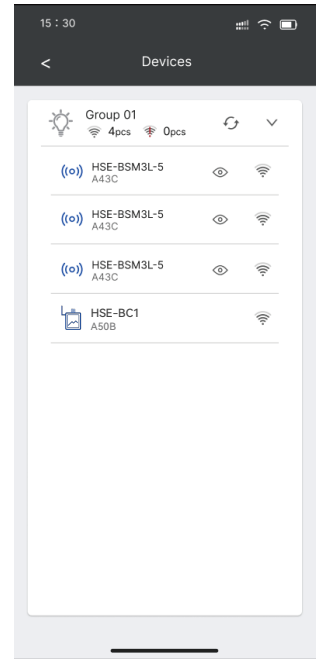
Press and hold the reset button for more than 3 seconds to reset the Bluetooth. Release until the red indicator inside the button flashes, indicating that HSE-BC1 has been reset and entered pairing mode.



Open the HSE WISE APP, go to **[Add Devices]** to start device searching and adding.

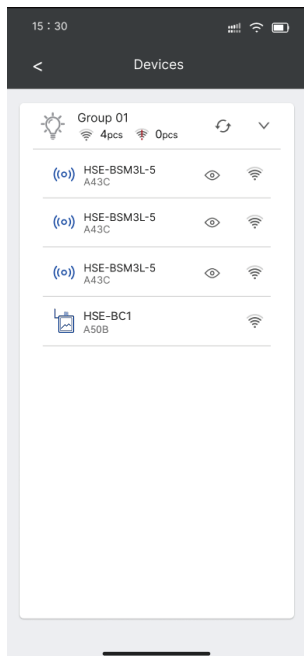


Enter the APP network configuration interface. You can automatically search and add the device via Search & Add, or complete network access and addition by scanning the QR code on the device.

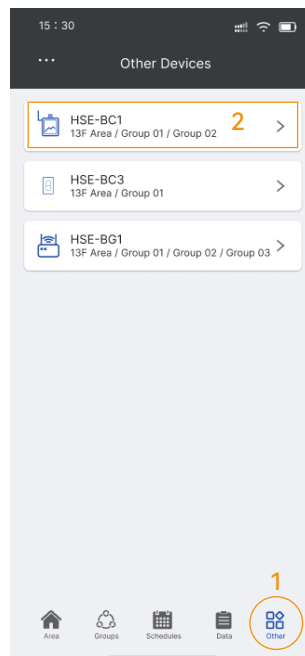


After device addition, check the connection status in the device list.

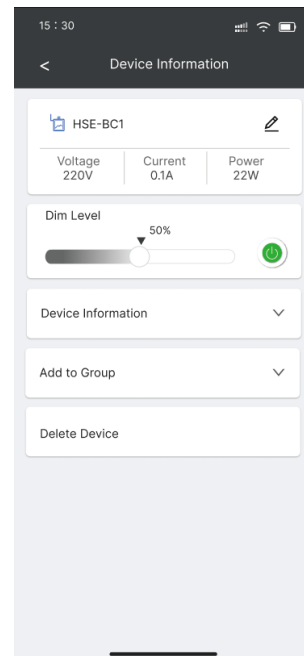
3. Device Control



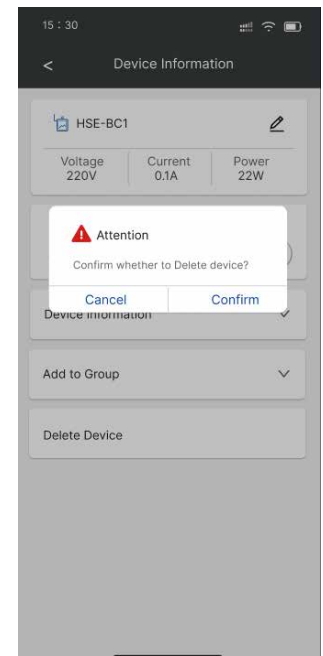
After the device is added successfully, enter the single device control interface via the device list.



You may also switch to Other via the bottom navigation bar, find the corresponding accessory device column, and enter the single device control interface.

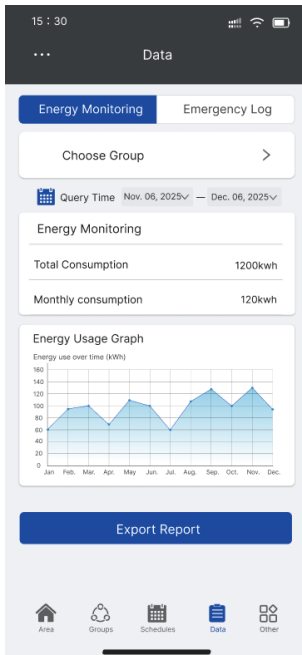


Enter the single device interface to view real-time power data. Tap to manually refresh, and perform operations including device on/off, brightness adjustment, viewing device details, group association, and device deletion.



The device can be removed via the APP to restore it to the unconfigured network state.

Energy Monitoring



Switch to Data via the bottom navigation bar to view the energy consumption of each group for the corresponding time period and perform export operations.

Energy Monitoring

These devices are installed at various points in an energy system to measure the flow of electricity, Power, Current, Voltage. They are the primary tools for capturing quantitative data on energy consumption.

Data Acquisition Systems

This technology aggregates the data collected by sensors and meters. It acts as the backbone of the energy monitoring system, ensuring that data is accurately collected in real time.

Analytics Software

Advanced software analyzes the collected data to provide insights. It generates detailed reports, visualizes trends through charts and graphs, and offers recommendations for reducing energy wastage.

Reset Method

1. Press and hold the reset button of HSE-BC1 for more than 3S to reset Bluetooth. Release the button when the red indicator inside flashes, which means the reset is completed.
2. Remove the device in the APP to restore it to the unconfigured network state. The red indicator inside the button will flash upon successful reset.
3. It can be restored to the unconfigured network state via HSE-02RB.