



# Wall Plug Receiver & Wireless Switch Kit

The ILLUMRA Wall Plug Receiver & Wireless Switch Kit includes the ILLUMRA Wall Plug On/Off Receiver, and the ILLUMRA Single Rocker Wireless BLE Switch. The Wall Plug Receiver responds to signals from the Wireless Switch, to provide on/off control of a plug load. No installation is required and it is easy to use. Switch and receiver come pre-linked.



- On/Off control of various loads such as lights, fans, garbage disposal, pumps, etc. through a wall outlet.
- Save installation time & cost
- Plug into outlet and control with wireless switch.

## Applications



Residential



Hotels



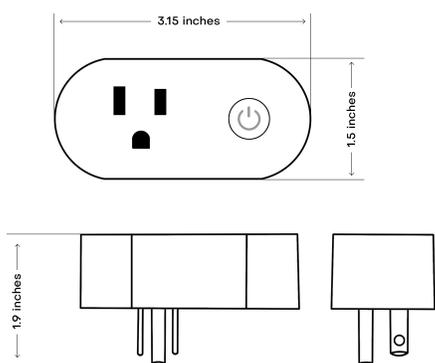
Classrooms



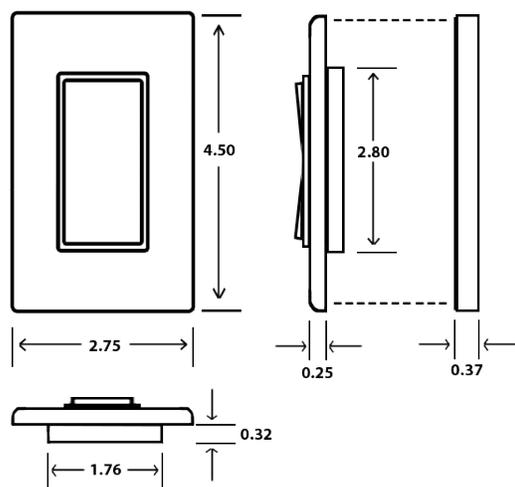
Offices



Warehousing



Specifications	BTT-R12GP
Rated Voltage	120VAC 50Hz/60Hz
Rated Current	15A Resistive, 5A Tungsten
AC Frequency	50/60Hz
Idle Power	< 0.5W
Dimensions	3.15x1.5x1.9 in (80x38x48 mm)
Wireless	Bluetooth® (2.4GHz)
Operating Temp	14°F~104°F (-10°C~40°C)
Compliance	FCC (US), ETL Pending



Specifications	BTT-S1Axx
Range	30ft (10m)
Frequency	Bluetooth (BLE) (2.4Ghz)
Power Supply	Self-generated when switch is pressed
Buttons	2 (1 rocker)
Dimensions	2.75(W) x 4.5(H) x 0.62(D) in, 6.98 (W) x 11.43(H) x 1.57(D) cm
Operating Temp	-13° to +149°F (- 25° to + 65°C)
Radio Certifications	FCC (USA): SZV-PTM215U I.C. (Canada):5713A-PTM215U
Addressing	Factory set unique ID

### Available Colors:



White



Light Almond



Ivory



Gray



Brown



Black



# Wall Plug Receiver & Wireless Switch Kit

Ordering (example: BTK-WP11AWH)						
BT	K	-	WP	11	A	WH
Bluetooth	Kit	-	Wall Plug	1= 1 Receiver, 1= 1 Switch	American Style	WH = White, LA = Light Almond, IV = Ivory, BR = Brown, BK = Black GY = Gray

CAUTION: FOR INDOOR USE ONLY

This device or certain aspects thereof is protected by at least one U.S. or International patent or has at least one such patent application pending.

## BID SPECIFICATION BLE WALL PLUG RECEIVER:

1. Compliance:
  - a. UL 60730 (safety)
  - b. FCC Part 15 Section b
2. Model BTT-R12GP:
  - a. Compatible with standard NEMA 5-15R outlet.
3. Electrical:
  - a. Supply Voltage: 100-125 VAC, 50/60 Hz.
  - b. Relay Output: Single, non-isolated SPST relay.
  - c. Loads:
    - I. 15A resistive
    - II. 5A Tungsten
  - d. Radio: Bluetooth 2.4 GHz EnOcean. Other frequency radios are not acceptable.
  - e. Radio Range: Commercial Office Space: 30 ft (10 m).
4. Functional:
  - a. Switching on/off control for individual loads.
  - b. Wireless ILLUMRA switches.
    - I. Link 10 wireless devices in any combination of ILLUMRA switches.
  - c. Save configuration settings and linked device details in non-volatile memory.
  - d. Provide method of resetting to factory defaults.

LINK TO PRODUCT



## BID SPECIFICATION SELF-POWERED WIRELESS WALL SWITCHES:

1. Self-Powered Wireless Wall Switches
  - a. BTT-S1A(xx) ILLUMRA Single Rocker style wall switch by Ad Hoc Electronics Inc., or equal
2. Mechanical
  - a. Switches shall be Self-Powered, kinetic energy harvesting, and wireless
  - b. Switches shall be Single Rocker (2-button) Standard North American Style
  - c. Switches shall fit into a standard North American size light switch junction box
  - d. It shall be possible to install multiple switches using surface mounting plates available from the manufacturer or standard electrical multi-gang switch boxes
  - e. Surface Mounting Plates shall be provided with BTT-S1Axx switch assemblies
  - f. Switches must have a Tamper-Resistant feature built into the design
  - g. All Switches shall be available in ivory, black, gray, white, brown, and light almond
  - h. Switch faceplates shall be provided with BTT-S1Axx switch assemblies
  - j. Switches shall have a fully enclosed electronics assembly
  - k. Switches shall be constructed of PC and ABS plastic
3. Electrical
  - a. Switches shall use 2.4 GHz Bluetooth Low Energy (BLE) radios. Systems that use other radio frequencies shall not be acceptable
  - b. Switches shall have a lateral range of at least 10 m (30 ft.) – commercial office space (typical), mesh network
  - c. Switches shall comply with FCC Part 15.231 and IC RSS- 210
4. Functional
  - a. Switches shall be able to switch loads on and off when used with compatible relays and controllers
  - b. Switches shall be able to dim loads up and down when used with compatible dimming relays and controllers
  - c. Switches shall be able to offer momentary control functionality when used with compatible relays and controllers
  - d. Switches shall be tested to exceed 250,000 presses
5. Compliance
  - a. Switches must be capable of meeting Buy American Act compliance

### FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.