



universal douglas BT-4BTSW-A Bluetooth Switches Installation Guide

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Risk of Electric Shock.

All servicing should be performed by qualified service personnel.
To reduce the risks of electric shock disconnect power supplies before servicing

SAVE THESE INSTRUCTIONS

- READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- Be aware that Line Voltage Connections may be 120Vac or 277Vac or 347Vac
- Do not install near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than intended use
 - o Wireless devices are only for lighting control
 - o Wireless controls cannot be used with portable heating appliances

1. Introduction

Douglas Lighting Controls Bluetooth® Wall Station Switches;

- BT-4BTSW-A (4-button switch)
- BT-8BTSW-A (8-button switch)
- BT-DMSW-A (dimmer & 1-button switch)

Provide ON/OFF, Dimming, and Scene control based on the device configuration and fixture wiring. The devices require a Douglas Lighting Controls Bluetooth Controller (BT-PP20-A) connected to the fixture(s). Each switch is available in either a 120/277VAC or 347VAC model. The devices are capable of communicating with other Douglas Lighting Controls Bluetooth enabled devices (occupancy sensors, gateways, and controllers as part of the defined wireless eco-system) via the Bluetooth wireless network. Commissioning is conveniently done at deck level with our free iOS App using the Bluetooth functionality of the smartphone.

2. Part Numbers & Names

Part Number	Model
BT-4BTBW-U-A	DOUGLAS LIGHTING CONTROLS Bluetooth 4-Button Switch 120/277VAC
BT-4BTBW-3-A	DOUGLAS LIGHTING CONTROLS Bluetooth 4-Button Switch 347VAC
BT-8BTBW-U-A	DOUGLAS LIGHTING CONTROLS Bluetooth 8-Button Switch 120/277VAC
BT-8BTBW-3-A	DOUGLAS LIGHTING CONTROLS Bluetooth 8-Button Switch 347VAC
BT-DMSW-U-A	DOUGLAS LIGHTING CONTROLS Bluetooth Dimmer & 1-Button Switch 120/277VAC
BT-DMSW-3-A	DOUGLAS LIGHTING CONTROLS Bluetooth Dimmer & 1-Button Switch 347VAC

3. Design Features

- Standard single gang dimensions
- Tinned and stripped, colour coded wires
- Bluetooth wireless technology
- 120/277VAC models
- 347VAC models

4. Specifications

Mounting

- The device is designed to be mounted into the appropriately sized 120/277VAC or 347VAC wall station gang box

Power

- Line Voltage: 120/277VAC or 347VAC (device dependent)
- Frequency: 60Hz

Operating Environment

- Indoor, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity

Operating Temperature

- 32°F to 104°F (0°C to 40°C)

Storage Temperature

- -14° to 140°F (-25° to 60°C)

Approvals

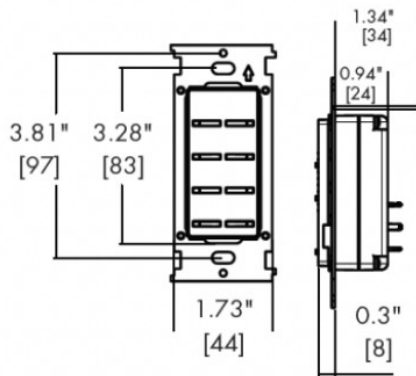
- Certified to CAN/CSA C22.2 No. 14
- Conforms to UL 508 Standard
- FCC Class A
- ASHRAE 1 Compliant
- CEC Title 24 Compliant

Note

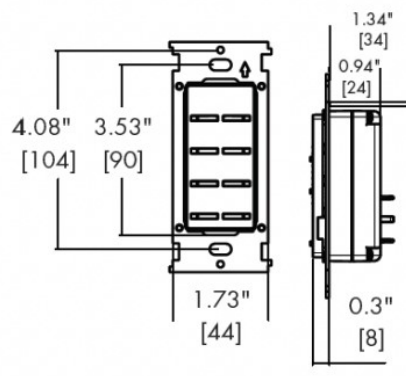
- Contains IC: 8254A-B1010SP0
- Contains FCC ID: W7Z-B1010SP0

5. Dimensions

120/277Vac



347Vac



6. Installation Features

- Tinned and stripped, colour coded wires (Black – Line, White – Neutral, Green – Ground)
- Mounts into listed standard wall station gang box
- Bluetooth enabled for wireless fixture control and wireless mesh networking
- Switches can be used with Decora style switch covers

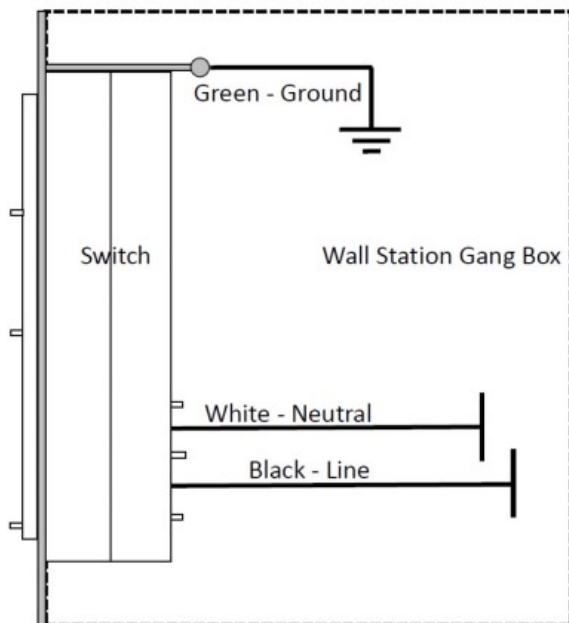
7. Installation/Wiring/Commissioning



CAUTION Risk of Electric Shock. All servicing should be performed by qualified service personnel. To reduce the risks of electric shock disconnect power connections before servicing.

6. Installation Features

- For Installation with field-installed conductors of 60°C (140°F) minimum rating
- Mounts into the appropriately sized 120/277VAC or 347VAC wall station gang box – see dimension diagram
- Install device into position
- Connect wires as shown on diagram (14AWG)
- Download free smartphone Commissioning App
- Use Commissioning App to configure system



DOUGLAS LIGHTING CONTROLS

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BT-4BTBW-A, BT-8BTBW-A, BT-DMSW-A, BT-4BTBW-A Bluetooth Switches, BT-4BTBW-A, Bluetooth Switches, Switches

References

- [Universal Douglas](#)
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