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Project	
Notes	
Type	Date
Cat. No.	

AB-BTT-SxA — **Wireless AleoBlue,** Single & Double Rocker Self-Powered Switch

DESCRIPTION

The AleoBlue self powered wireless Bluetooth switches use no wires or batteries. Pressing the switch creates the energy to transmit a wireless signal that controls lights or other devices.

APPLICATIONS

Indoor: retail, education, hospitality, corporate, warehouse, self storage.

AB-BTT-SxA

Wireless AleoBlue, Single & Double Rocker
Self-Powered Switch

Specification Features

Overview

- Installs in minutes
- Requires no wiring
- Easy to configure
- Communicates with compatible receivers Reliable Range
- 30-100 foot operating range (typical)
- Unique ID of each switch activates only the intended receiver(s)

Finish Color Options

- White
- Light Almond
- Ivory
- Gray
- Brown
- Black

Certification

UL Listed. All components have UL certification.

Warranty

5-year Limited Warranty. See warranty documentation for more information.

Benefits

Save Time and Money: Avoid costly and time consuming installation of hardwire switches by choosing AleoBlue wireless switches and receivers. Installing a switch doesn't have to mean tearing open a wall.

Save Energy: Save energy and money by creating Manual ON / Auto OFF controls using AleoBlue switches and occupancy sensors or by programming all lights to respond to a single master switch. AleoBlue makes it easy to keep lights and systems off when not in use!

Simple Wireless Control

- Mount switches anywhere
- Create 3 way and 4 way switches
- Control lights, motors, or other electrical loads
- Reconfigure or relocate as needed
- Made in the USA

Ordering Information

Example: AB-BTT-S2A(WH)

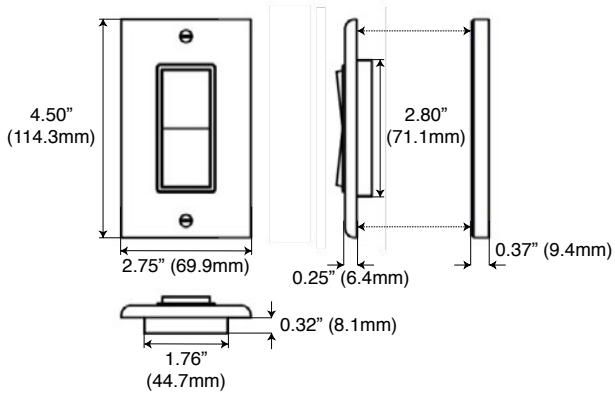
AB	BTT	S2A	(WH)
Series	**Controls**	**Rocker Type**	**Finish Color**
AB AleoBlue	**BTT** Bluetooth	**S1A** Single Rocker **S2A** Double Rocker	**WH** White **LA** Light Almond **IV** Ivory **GR** Gray **BR** Brown **BK** Black

Specifications and Dimensions subject to change without notice.

Performance Summary

Model No.	AB-BTT-S1A(WH)	AB-BTT-S2A(WH)
Power Supply	Self-generated when switch is pressed	
Power Consumption	No Power Consumption	
Output Channels	Only limited by the number of receivers in range	
Transmission Range	30-100 Feet (typical)	
Frequency	2.4GHz Bluetooth	
Switch Options	2 Buttons (Single Rocker)	4 Buttons (Double Rocker)
Dimensions	2.75 (l) x 4.5 (h) x 0.62 (w) - Standard USA Switch Size	
Addressing	Factory set unique ID (1 of 4 billion)	
Radio Certification	Certified according to FCC and IC and CE regulations	

Dimensions



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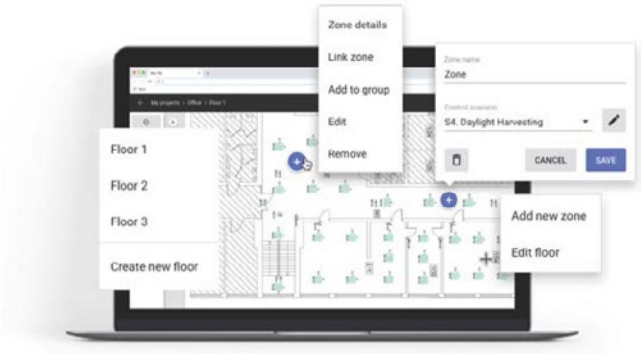
AleoBlue Wireless Bluetooth Controls

The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

Features and Benefits

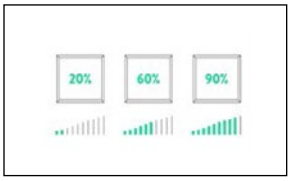
- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- Vacancy Sensing
- Per fixture Daylight Control
- Per zone Daylight Control



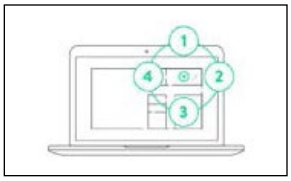
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

Scheduling

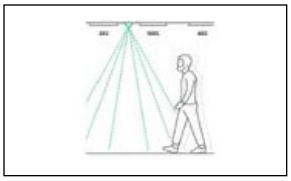
High and Low End Trim



Scenes



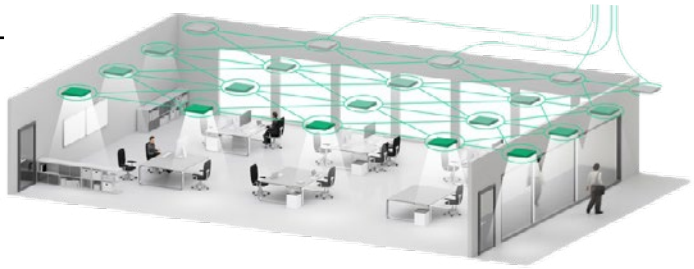
Occupancy Sensing



- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertize required
- Optimized for commercial spaces of any size
- No additional wiring or central control box
- Customizable lighting control parameters
- Future proof with Software Updates
- Multiple Zone Configurable
- Built-In Scenarios + Customization

Bluetooth Mesh Technology Advantages

- The fastest low-power communication
- Scalability to thousands of devices
- The most advanced encryption standards as well as the cutting-edge device authentication
- No single point of failure (no central device)
- Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)



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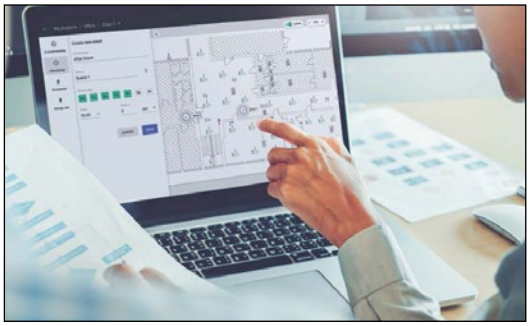
Planning

Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.

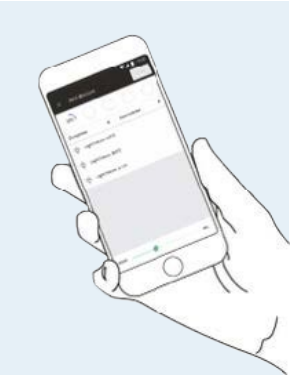
1. Import Floor Plans
2. Define Individual Lighting Zones
3. Specify Desired Lighting Control Scenarios



Implementation

Adding lighting devices to the Bluetooth mesh network on-site with the use of an iOS app.

Customization and calibration of lighting control parameters during and after the commissioning process. Defining scenes for specific working activities.



1. Add Devices to Your Connected Lighting Network
2. Implement Predefined Zones and Scenarios
3. Optimize Configuration Settings if Needed

Provisioning / Configurations

The Bluetooth mesh Node is in the Unprovisioned Mode until it is provisioned by a “Provisioner”, which typically is a smart phone with a Bluetooth mesh compatible app.

Ordering Information

Wireless AleoBlue, Single Rocker Self-Powered Switch
Model: AB-BTT-S1A(WH)

Wireless AleoBlue, Double Rocker Self-Powered Switch
Model: AB-BTT-S2A(WH)

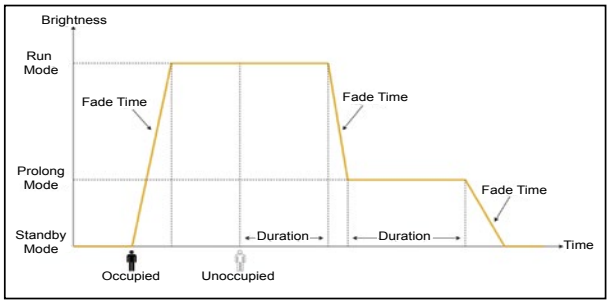
Specifications and Dimensions subject to change without notice.

Lighting Control Scenarios

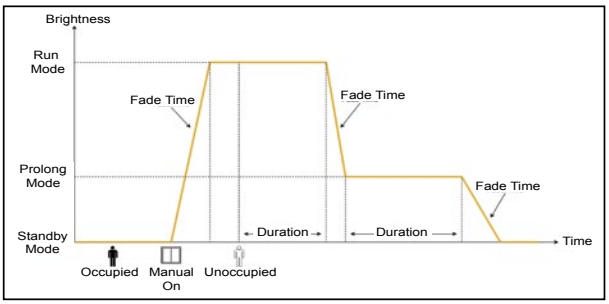
Multiple lighting control scenarios are available once the Bluetooth mesh Node is provisioned. At each scenario, duration, fade time and target brightness can be configured at any time with the iOS app.

Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight Harvesting	On / Off / Scenes	Auto Off	Enabled

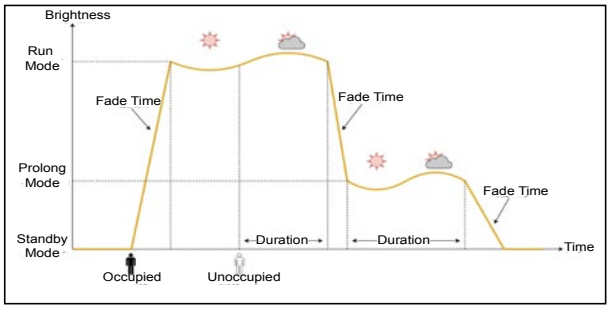
Occupancy Scenario



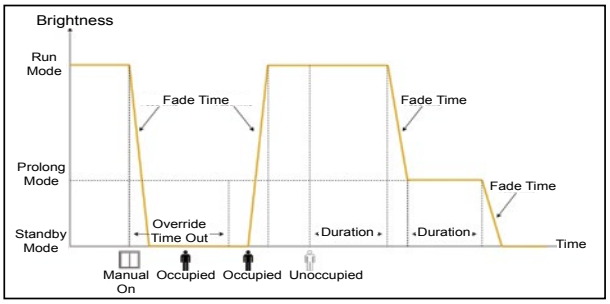
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



Occupancy Scenario with Manual Override



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