



AB-DM4K-WBM-KNK

Wireless Bluetooth® Kinetic Powered 4-button Scene Selector

DESCRIPTION

The AleoBlue™ 4-Button Scene Selector puts on/off, dimming and two preset scenes on a single wall plate — with no wires, no batteries and no maintenance. Each press generates its own power and transmits a Bluetooth® signal to the AleoBlue™ network, so the switch installs in a standard single-gang wall box in minutes without pulling line voltage or control wiring. The top two buttons turn the zone on and off and raise and lower the light level; the bottom two recall Scene A and Scene B, each defined per zone in the AleoBlue™ app. Because the switch transmits only when pressed, it is paired to a zone by scanning its QR code rather than being provisioned as a mesh node — it adds no traffic to the network and does not count toward the device limit for the area.

APPLICATIONS

Indoor: Conference and meeting rooms, classrooms and lecture halls, multipurpose and training rooms, lobbies and reception areas, private offices, retail and hospitality. Best suited to spaces where users choose among preset light levels rather than only switching on and off.

SPECIFICATION FEATURES

OVERVIEW

- Installs in minutes
- Requires no wiring
- Easy to configure
- Communicates with compatible nodes and luminaires
- Reliable Range
- Transmission range up to 164ft (50m)
- Unique ID of each switch activates only the intended receiver(s)
- Protection type: IP20, indoor/dry location

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, nodes and luminaires. 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!

ORDERING INFORMATION

EXAMPLE: AB-DM4K-WBM-KNK

AB	DM4K	WBM	K	N	K
Communication Type / System	Sensor / Node Type	Mounting	Power	Designator	Designator
AB AleoBlue™	DM4K 4-Key Dimmer	WBM Wallbox Mount	K Kinetic	N	K

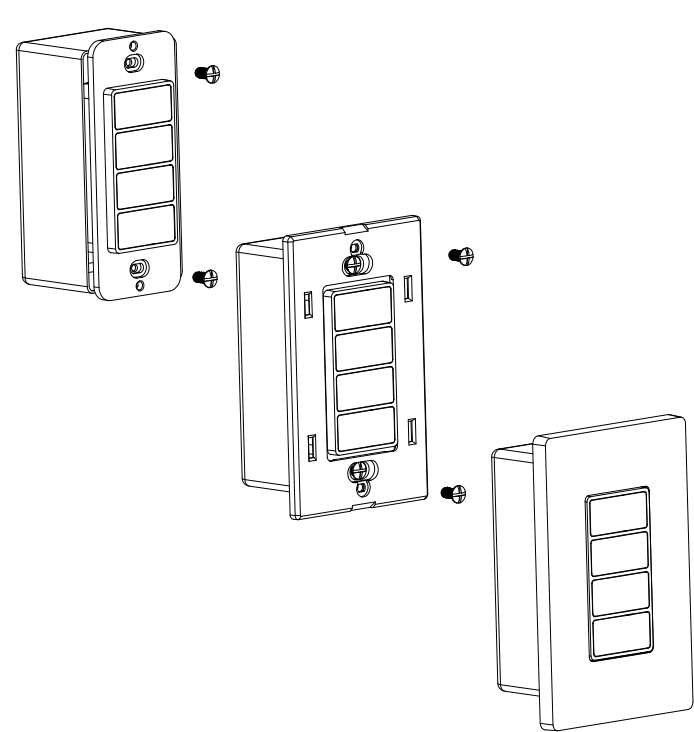
Specifications and Dimensions subject to change without notice.

PERFORMANCE SUMMARY

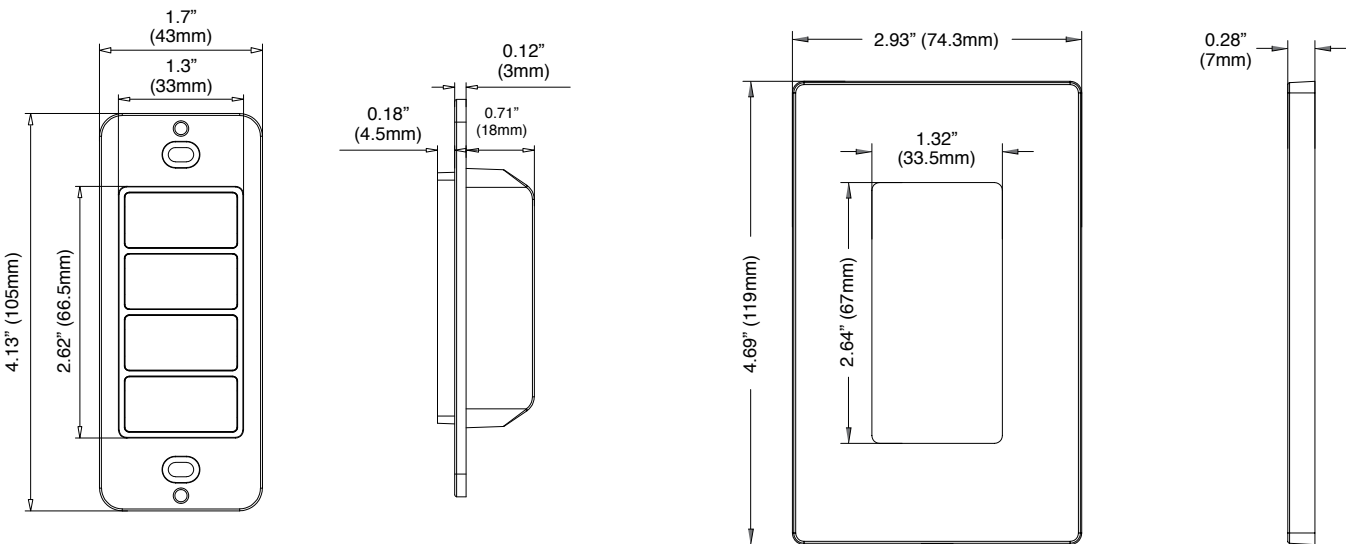
Electrical	
Protocol	Bluetooth® NLC
Power Supply	Self-powered — kinetic energy harvesting; no battery, no external power
Transmission Frequency	2.4GHz
Transmission Range (line of sight)*	Outdoors: 164ft. (50m) Indoors: 82ft. (25m)
Wireless Data Rate	1Mbps
Transmit Power	0dBm
Network Role	Transmit-only Companion Switch — does not count toward the area device limit
Mechanical Life	≥100,000 actuations
Physical	
Operating Temperature	-4°F to +131°F (-20°C to +55°C)
Protection Type	IP20 — indoor, dry location
Housing Material	Polycarbonate (PC)
Mounting Method	Screw locking
Finish	White
Dimensions (H x W x D)	Switch: 4.13" x 1.69" x 1.00" (105 x 43 x 25.5 mm) Wallplate: 4.69" x 2.93" x 0.28" (119.0 x 74.3 x 7.0 mm)

*Transmission Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

PRODUCT DIAGRAM



PRODUCT DIMENSIONS

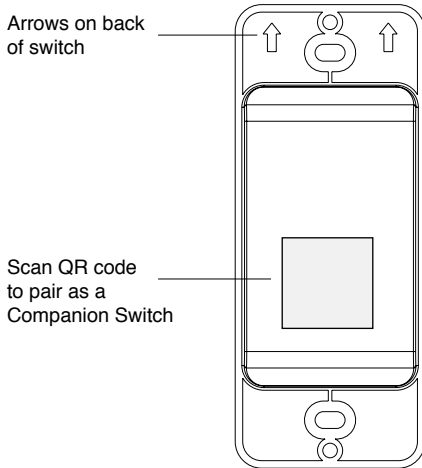


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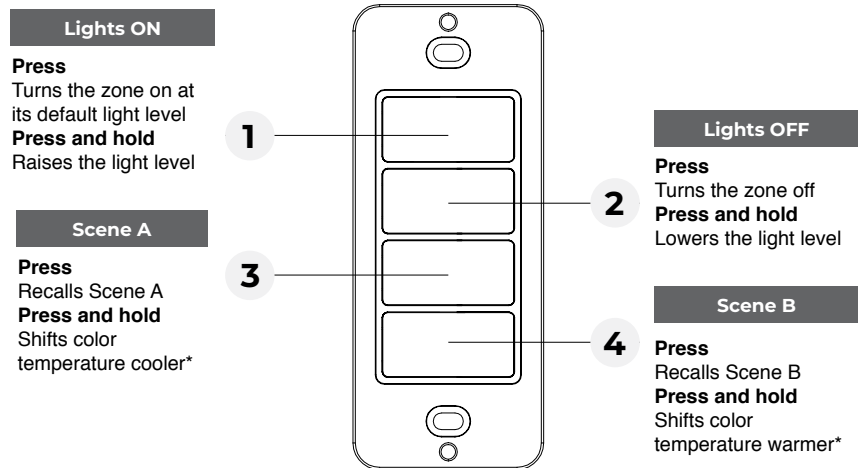


BUTTON FUNCTIONS

Establish the orientation of the device by referring to the laser engraved arrows on the back of the switch.



The factory default assignment is shown below. Scene content is defined per zone in the AleoBlue™ app.



* Color temperature control requires tunable-white luminaires in the zone and a compatible AleoBlue™ firmware version. Scene A and Scene B are empty until configured. Define both per zone in the AleoBlue™ app, then save. Button assignments are fixed; the lighting states they recall are fully configurable.

ALEOBLUE WIRELESS BLUETOOTH® CONTROLS

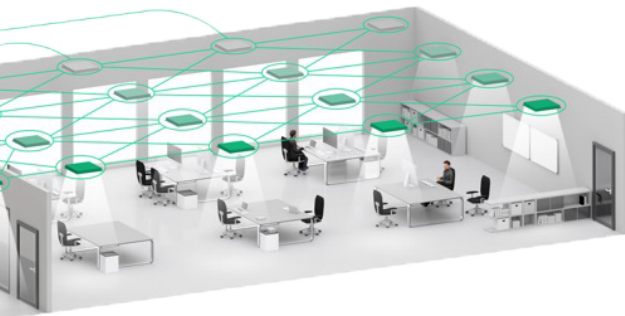


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth® NLC lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

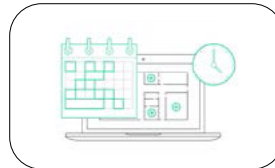
DLC NLC Qualified.

FEATURES AND BENEFITS

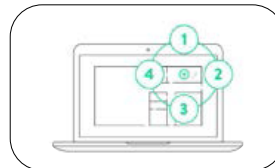
- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- High-End Trim
- LLLC (Luminaire Level Lighting Controls)
- Energy Monitoring
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility
- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertise 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



SCHEDULING



SCENES



BLUETOOTH® NLC 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)

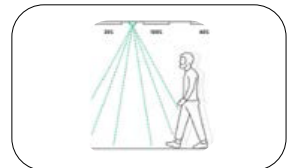


Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth® 4.0 and Bluetooth® 5)

HIGH / LOW END TRIM

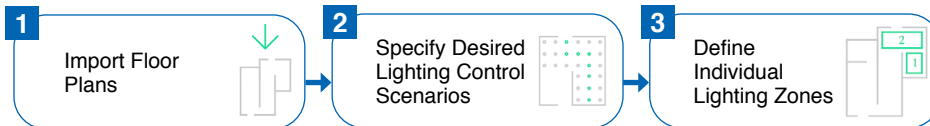


OCCUPANCY SENSING



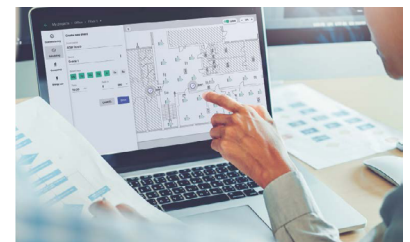
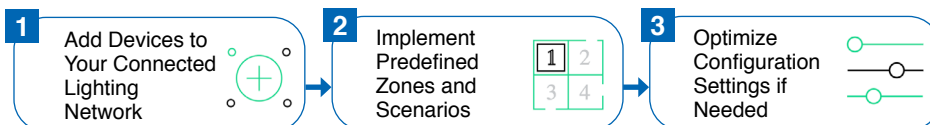
PLANNING

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.



IMPLEMENTATION

Adding lighting devices to the Bluetooth® NLC 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.



PROVISIONING / CONFIGURATIONS

The Bluetooth® NLC Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth® NLC compatible app.