4-Button Wireless Bluetooth Mesh Wall Controller

Suitable for Indoor Use Only

E341446

Overview

- Bluetooth® SIG mesh
- Manual on/off (wireless)
- Dim up/down (wireless)
- Conforms with DLC NLC5 Cybersecurity Standards
- LED status indicator light
- 4-Button functions may be customized
- Mounts in any standard wall box
- Color: white

Applications

mwConnect's Wireless 4-Button Wall Controller (PSC-DM-WS-400-BLE-SR) wirelessly communicates with Bluetooth mesh controllers to provide scene and light level control to lighting in the space. It can be installed in a standard 1-gang wall box. The field-customizable buttons can be programmed for ON/OFF/RAISE/LOWER preset scenes or white tuning.

Typical applications include private offices, open office areas, lobbies, classrooms and conference rooms.

Optional button engraving kits are available.

Operation

TruBlu™ Mesh Controls: Qualified by Bluetooth SIG for its Bluetooth Mesh 1.0.1 specification, the wall controller connects to a Bluetooth mesh network and is accessed via the TruBlu web portal or mobile app for initial design, setup and scheduling, as well as subsequent parameter adjustments.

End users can then program length of time delays, fade time, and other settings using these design and commissioning tools.

The PSC-DM-WS-400-BLE-SR controls all of the lights in a specific zone. The unit also functions as a dimmer to override the pre-configured occupancy sensor settings.

See the TruBlu™ Commissioning User Manual for more information.

Summary

Type:
4-Button Wall Controller

Input Voltage | Power Consumption:
120-277 VAC, 50/60Hz I Max 1.5W

Mounting:
Standard wall box

Max Bluetooth Range[1]:
30ft (9.14m)

Operating Temperature:
0° to 55°C

Storage Temperature:
-10° to 60°C

Relative Humidity:
90-95% non-condensing at 30°C

Color: White

Warranty: 5 years

Note:
1. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Project	
Location/Type	

Physical Dimensions

4.11" (104.33mm)
2.76" (70.10mm)
1.72" (43.69mm)
1.16" (23.46mm)

TOP
INDOOR USE ONLY

Wiring Diagram

TOP
Ground (Optional)
Green Terminal
Line
Black Terminal
INDOOR USE ONLY
Neutral
Silver Terminal

Drawings are Not to Scale

Examples

Ceiling Sensor

Wireless Controller

0-10v Driver

Bluetooth Luminaire

Wall Controllers

Wireless Controller

0-10v Driver

Bluetooth Luminaire with Integral Sensor
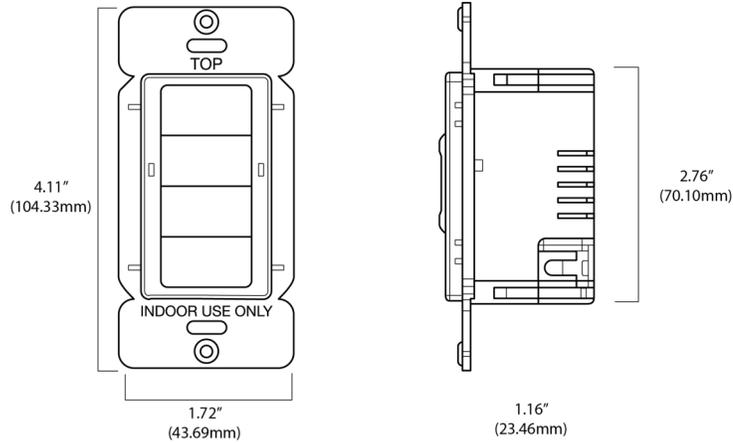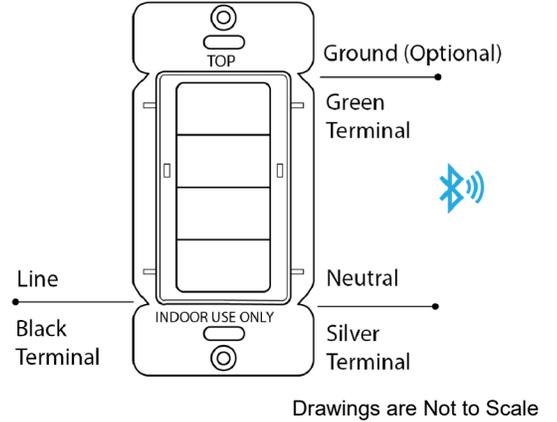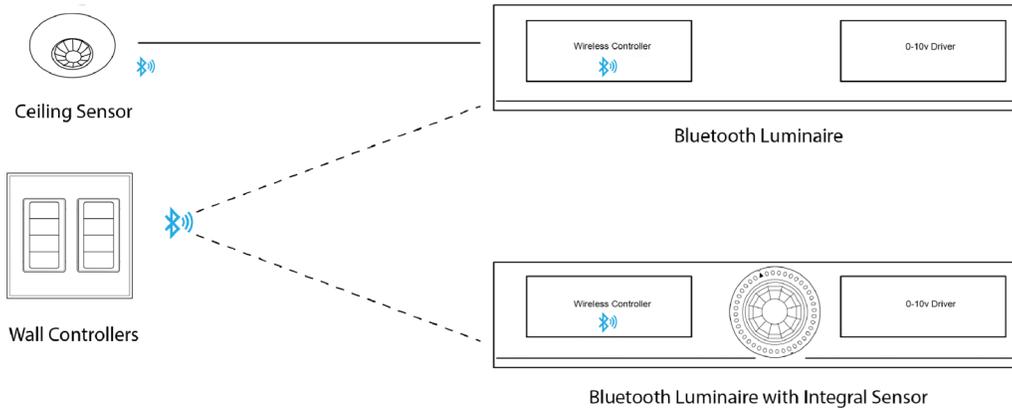
Wireless Manual Control

Button 1
Button 2
Button 3
Button 4

TOP
INDOOR USE ONLY
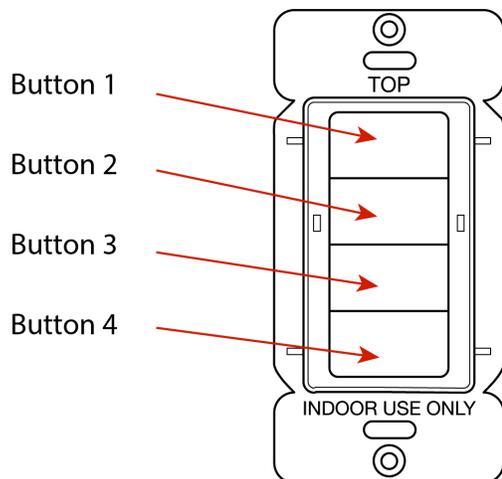
Button 1 and button 2 for Auto/On and dimming:

Short press Button 1 - AUTO/ON

Short press Button 2 - Off

Long press Button 1 - Dim Up

Long press Button 2 - Dim Down

Auto = Resume automatic control; turns on the automatic settings for luminaires (defined by the settings profile).

Button 3 and Button 4 to trigger scenes or control color temperature (if available), scenes must be configured:

Short press Button 3 - Scene A (if configured)

Short press Button 4 - Scene B (if configured)

Long press Button 3 - Colder (if available)

Long press Button 4 - Warmer (if available)

Factory reset:

Hold both Button 1 and Button 4 for 10 sec. The device returns to an un-provisioned state.

How to Order

Model No.	Description	Input Voltage
PSC-DM-WS-400-BLE-SR	Wireless 4-Button Dimmer Wall Controller, Scene Control, TruBlu SIG Bluetooth Mesh, Technology Partner Silvair (decorator plate not included)	120-277 VAC, 60Hz

Design and specifications are subject to change without notice.