

Room Control

SPECIFICATION

The Enlighted Room Control enables push-button manual override control using Enlighted’s intelligent lighting control system.

OVERVIEW

The Enlighted Room Control provides all of the functions of a standard wall switch with preset dimming capabilities and without any additional wiring. The Enlighted Room Control enables you to select preset scenes so that groups of light fixtures behave in concert to achieve a lighting objective. The Enlighted Room Control gives you the flexibility to predefine up to six different scenes and many combinations of light levels that can then be accessed at the push of a button.

FEATURES AND BENEFITS

Localized Microprocessor Control. Each Enlighted Room Control is a fully-fledged computing and communications device. The control communicates with Enlighted Smart Sensors wirelessly, enabling the sensor to make local decisions regardless of the network status.

Programmable. Scene configurations are defined for each individual Enlighted Room Control and are saved in the Enlighted Smart Sensor’s memory during control commissioning. Scenes are easily configured and changed through the browser-accessible Enlighted Energy Manager™.

Code Compliant. In some regions, building codes require that a manual-on/auto-off switch be located in any enclosed space. The Enlighted Room Control fulfills this requirement.

Simple and Low-Cost Installation. Designed for standard wall plates, completely self-contained and requiring no external power or low voltage wiring, the Enlighted Room Control installs easily on room walls or over existing junction boxes.

Easy Operation. Intuitive buttons enable occupants to brighten and dim lights, as well as cycle through lighting scenes and return to original settings. When a space has been unoccupied for a predetermined period of time, the Enlighted system reestablishes automatic control. Vacancy duration is a configurable parameter.

Standards-Based Networking and Security. Adhering to the 802.15.4 wireless protocol, transmitting in bursts and appropriately selecting low-traffic channels, the Enlighted wireless network reliably coexists with Wi-Fi networks. Data is AES-128 encrypted to provide security.

Low Air-Time Consumption. The Enlighted Room Control consumes a very small fraction of wireless channel capacity because it only communicates locally with the Enlighted Smart Sensors in data bursts, thereby minimizing collisions with other traffic.

Minimal Maintenance. With an expected battery life of more than 7 years, the Enlighted Room Control has minimal maintenance requirements.



The Enlighted Room Control

L	2.61"	66.4mm
W	1.29"	32.7mm
H	.45"	11.5mm

ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

Job Number:

Model Numbers:

 WS-2-00

Enlighted Room Control



- + **Press and Release** – On to full
- + **Press and Hold** – Raises light level to maximum dimmed output
- + **Press and Release** – Off
- + **Press and Hold** – Lowers light level to minimum dimmed output
- + **Press and Release** – Cycle
- + **Press and Hold** – No action
- + **Press and Release** – Automatic mode returns to programmed profile

INSTRUCTIONS FOR WALL MOUNTING

1. Align the Enlighted Room Control within the back plate, with arrow pointing up. Affix to the control by firmly tightening both captive screws.
2. Align spacers to the control. Place spacers against the back of the control—one at the top and one at the bottom—and align the spacers with the oval screw hole of the mounting plate. Ensure flush side of the spacers face the wall. Hold in place against desired wall location.
3. Screw on back plate using tapping screws provided.
4. Snap on wall plate with arrow pointing up.

TECHNICAL SPECIFICATIONS

Action: Four push buttons;
six software-configurable scenes

Actuations: Rated for 50,000 actuations

Power: Battery-powered: CR2025

Battery Life: 7 years approximate

Max Fixtures Per Control: 100

Security: AES-128 Encryption

Interoperability: Enlighted Sensors and Gateways

Radio Frequency: 2400–2483.5 MHz

RF TX Output Power: 0 dBm

Wireless Protocol: IEEE 802.15.4

Wireless Range: 150 ft. radius (46m) open range

Operating: 32° to 122° F / 0° to 50° C

Enclosure: Recyclable ABS

ORDERING INFORMATION

WS-2-00 Enlighted Room Control

COMPLIANCE

United States **FC** CLASS A PART 15
IDA Standards, DA107239