

Enlighted Room Control

SPECIFICATION

The Enlighted Room Control (ERC) enables manual control of light fixtures through Enlighted’s intelligent lighting control system.

OVERVIEW

The Enlighted Room Control provides the basic control functions of a standard wall switch with preset dimming capabilities 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 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 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: For regions where 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 to fit on a standard wall plate, the Enlighted Room Control can replace a standard wall switch, yet does not require any external power or special low voltage wiring. In locations without an existing switch, the Enlighted Room Control can be installed directly on the wall or over existing junction boxes.

Effortless 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.

Standards-Based Networking and Security: The 802.15.4 compatible radio transmits messages in the 2.4GHz band while avoiding interference with any Wi-Fi or other networks. All messages are AES-128 encrypted to provide network security.

Minimal Air-time: The Enlighted Room Control transmits its messages in short bursts to Enlighted sensors, utilizing very little of the channel capacity and minimizing collisions with other network traffic.

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



The Enlighted Room Control (ERC)

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

ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

Job Number:

Product Code:
 WS-2-00

Enlighted Room Control



BRIGHT

Press-and-release to turn lights on
Press-and-hold to gradually brighten

DIM

Press-and-release to turn lights off
Press-and-hold to gradually dim

SCENES

Press for customized room scenes

AUTO

Press to reset lights to original levels

INSTRUCTIONS FOR WALL MOUNTING

1. Align the Enlighted Room Control within the back plate, with top button 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;
Up to six software-configurable scenes

Actuations: Rated for 50,000 actuations

Power: Battery-powered: CR2032

Battery Life: 5 years based on average usage

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

Europe RoHS

United States

Canada

Warranty: 5 years
Refer to www.enlightedinc.com/limited-warranty-terms
for complete terms and conditions