

# 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

Europe      RoHS

United States

Canada