

WPBC

Wireless Push Button Coupler

Date: _____

Quantity: _____

Company: _____

Project: _____



The Encelium **Wireless Push Button Coupler (WPBC)** enables convenient control of light levels and allows use of any standard push button or switch as an input device to the Encelium X Lighting Control System. The WPBC gives you the flexibility to select the brand, shape, color and size push button or switch preferred for your lighting design. Simply install the WPBC in any standard flush-mount junction box, connect it to mains power, and your selected wall switch.

The WPBC has four field configurable input channels to support a variety of control schemes. Either switches or push buttons can be connected. Each button (input) on the WPBC is field configurable to suit the desired control scheme in the installed space.

This includes commands such as:

- ▶ Turn On and Turn Off
- ▶ Dim Up and Dim Down
- ▶ Recall Scene
- ▶ Toggle On/Off
- ▶ Changing and recall color temperature

Works with

- Encelium X
- ▶ Wireless



Key Features & Benefits

- Mains powered eliminates the need for battery replacement
- Allows connection and configuration of up to 4 buttons
- Easy and versatile installation and wiring with color coded wires
- >50,000 h lifetime at $t_a = 60^\circ\text{C}$ (140°F)
- Compatible with standard recessed boxes

Specifications

SENSING AND CONTROL

Control

- Wireless Communication

Wireless Range

- < 15 m (49.2 ft)

ELECTRICAL

Radiated Power

- 8 dBm

Nominal Power Consumption

- 0.2 to 1 W

Nominal Supply Voltage

- 220 to 240 VAC, 50/60 Hz, 13 mA

Number of Inputs

- 4

Galvanic Insulation Interface

- Push Button to Mains – basic Insulation (use wires suitable for mains voltage)

Connections

- Black: Common
- Blue: Switch Contact 1
- Pink: Switch Contact 2
- Orange: Switch Contact 3
- White: Switch Contact 4

ENVIRONMENTAL

Operating Temperature Range

- -20° to 60°C (-4° to 140°F)

Relative Humidity

- 5% to 85%, non-condensing

Expected Lifetime

- 50,000 hours at $t_a = 60^\circ\text{C}$ (140°F)

PHYSICAL

Dimensions (H x W x D)

- 49 x 48 X 22 mm (1.9 x 1.8 X 0.87 inches)

Weight

- 40 g (1.4 oz)

Housing Color

- Gray

Housing Material

- Plastic

Mounting Option

- Wall Box Mount

WARRANTY

- For warranty details, refer to the full warranty documentation at encelium.com

CERTIFICATIONS & SAFETY

Approbations

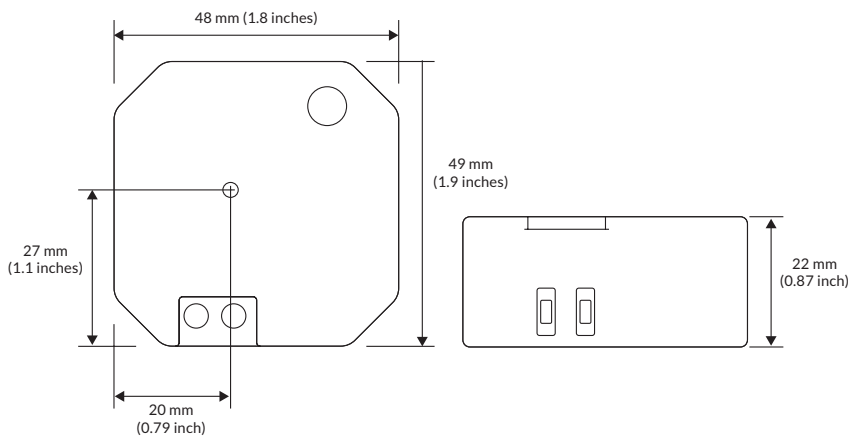
- CE, FCC

Environmental Suitability

- IP20, Indoor



Dimensions

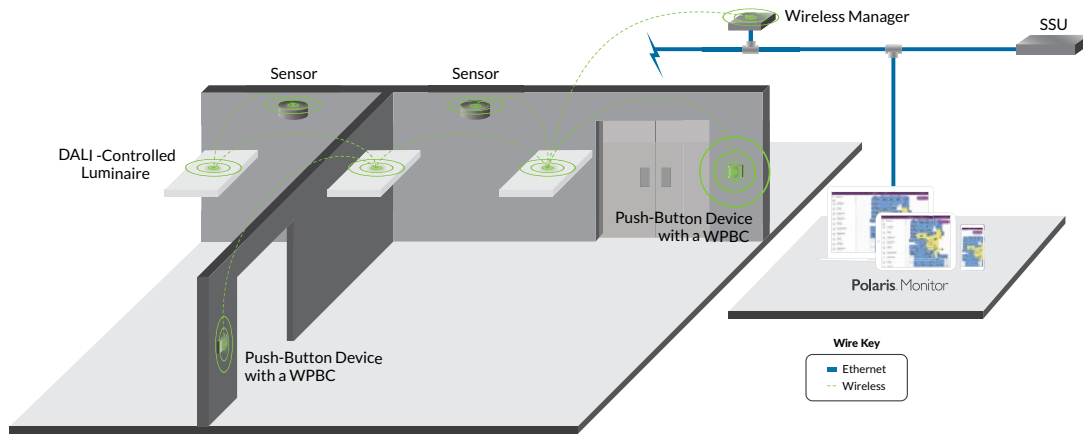


Ordering Information

Ordering Code	Description	Approbations	Communication Network
4052899591561	Wireless Push Button Coupler	CE	Wireless

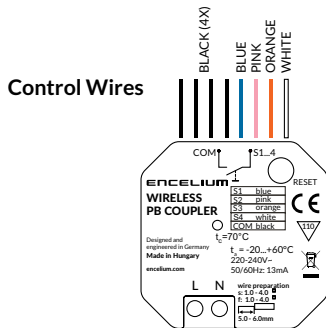
Wireless System Overview

This illustration shows how each component is easily integrated into the Encelium X Lighting Control System.

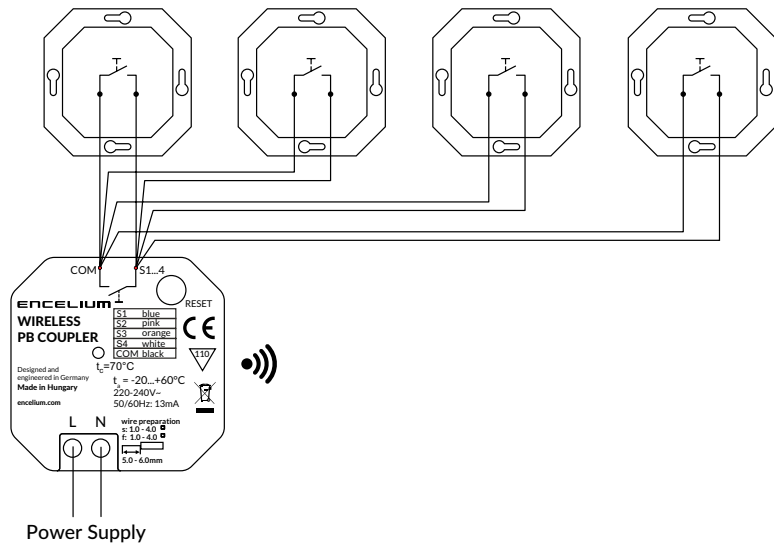


Wiring Diagrams

WPBC Wiring



WPBC Wiring Diagram



Mounting Option

Wall Box Mount

Matching European style face plates are available upon request. Please ask your Encelium Representative for details.

