KSW

Industrial Key Switch Wallstation

Date: _____

Quantity: _____

Company: _____

Project: _____

Works with

- Encelium X
  - ▶ GreenBus Wired
  - ▶ Wireless

Key Features & Benefits

- Locate at an entry point of an area to activate/deactivate a lighting zone
- Single-gang form-factor in a rugged stainless steel housing
- Easily set up and modified through Polaris™ software

The **KSW (Industrial Key Switch Wallstation)** is a single-zone wall-mounted user interface that provides local on/off control over a lighting zone. Utilizing a standard single-gang junction box form factor in a rugged stainless steel housing, the KSW connects to the Encelium X Lighting Control System through a Sensor Interface Module (SIM).

For damp-rated applications a damp-rated SIM is available. Examples of this type of environment may include basements, above-ground parking garages, barns, and cold-storage warehouses as well as partially protected locations under canopies, marquees, and roofed open porches.

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Specifications

SENSING AND CONTROL

Control
- GreenBus communication
- Wireless communication (via tethering)

Control Option
- SIMs — Two communication ports accept pre-terminated GreenBus cable

ELECTRICAL

Operating Temperature
- -10° to 40°C (14° to 104°F)

Power
- Interconnected 18 AWG GreenBus cable

Voltage
- Class 2 Low-Voltage Device

ENVIRONMENTAL

Ambient Temperature
- 40°C (104°F) maximum

PHYSICAL

Dimensions (H x W x D)
- 103.9 x 33 x 6.35 mm (4.1 x 1.3 x 0.25 inches)

Weight
- 90 g (3.2 oz)

Housing Color
- Silver

Housing Material
- Rugged Stainless Steel

Mounting Option
- Wall Box Mount (6.1 mm (2.4 inches) at least)

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

CERTIFICATIONS & SAFETY

Approbations
- cUL Listed
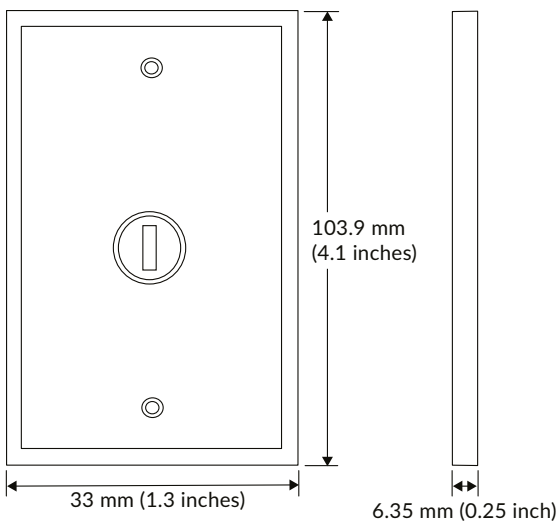- Energy Management Equipment (UL 916)
- FCC Part 15/ICES-003

Complies with Electromagnetic Compatibility (EMC) Standards:
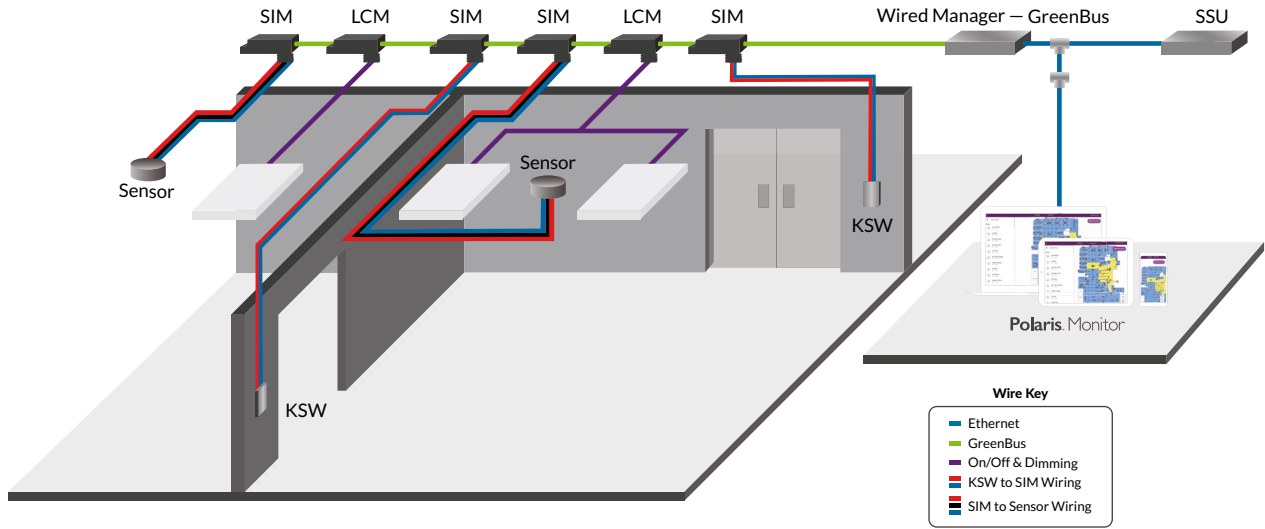- EN 61000-4-2
- EN 61000-4-4
- EN 61000-4-5

Dimensions

103.9 mm (4.1 inches)

33 mm (1.3 inches)

6.35 mm (0.25 inch)

Ordering Information

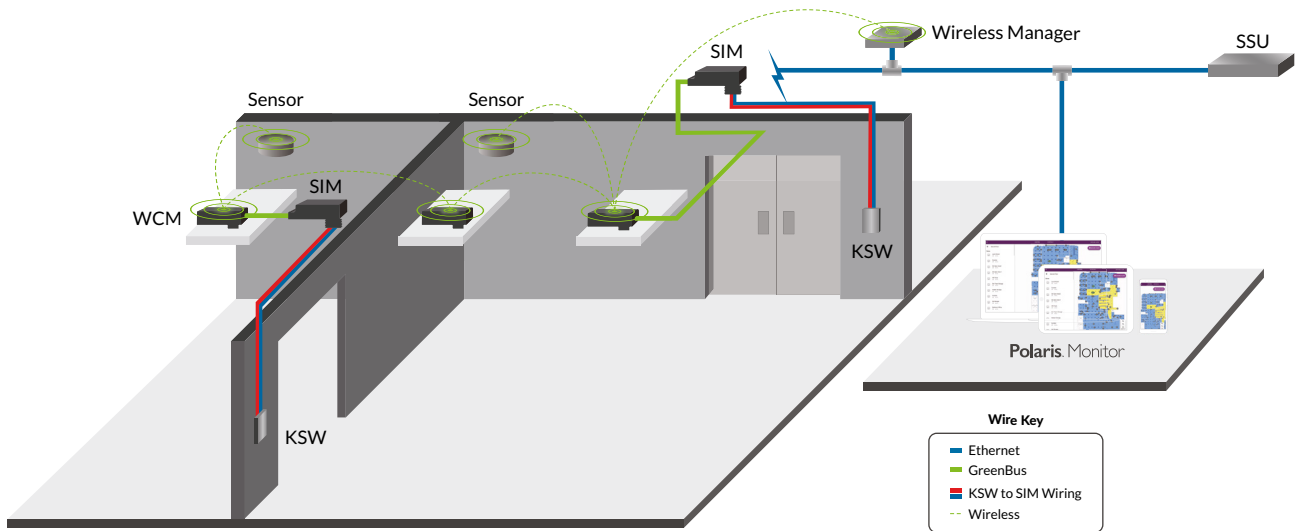| Catalog Number	Description	Approbation	Communication Network	Modifiers
KSW-300	Key Switch	UL	GreenBus	—
EN-SIM-AI/SPS-GB2-BK	Sensor Interface Module (SIM)	UL	GreenBus	
EN-SIM-AISPS-GB2BKDR	Damp Rated Sensor Interface Module (SIM)	UL	GreenBus	Damp-Rated (DR)

Wired System Overview

GreenBus technology makes wiring fast and error-free, since it's intuitive to install. With Encelium X, you can control DALI devices exclusively or a mixture of GreenBus and DALI. With any Encelium wired design, you get a reliable, on-site lighting control system that can be installed quickly and easily.
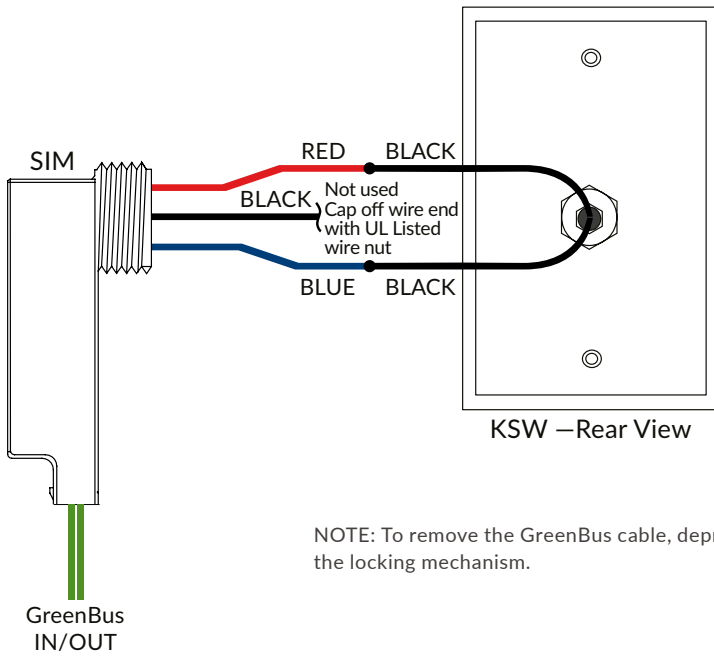

Wire Key
- Ethernet
- GreenBus
- On/Off & Dimming
- KSW to SIM Wiring
- SIM to Sensor Wiring

Wireless System Overview

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

Wire Key
- Ethernet
- GreenBus
- KSW to SIM Wiring
- Wireless

Wiring Diagram

SIM

RED   BLACK

BLACK   Not used
Cap off wire end
with UL Listed
wire nut

BLUE   BLACK

KSW —Rear View

GreenBus
IN/OUT

NOTE: To remove the GreenBus cable, depress the locking mechanism.

Mounting Option

Wall Box Mount

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