KX4

PRODUCT SAFETY

When using electrical equipment, basic safety precautions should always be followed, including the following:

⚠ **READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT.**

⚠ Do not let power supply cords touch hot surfaces.

⚠ Do not mount near gas or electric heaters.

⚠ Do not use the unit near water.

⚠ Do not allow objects to fall or liquids to be spilled into the enclosure through openings.

⚠ Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

⚠ The use of accessory equipment is not recommended by Encelium as it may cause an unsafe condition.

⚠ Do not use this equipment for other than the intended use.

⚠ **SAVE THESE INSTRUCTIONS.**

GETTING STARTED

Overview

The Encelium KX4 Touchscreen Panel is a 97.2 mm (4 inches) flush-mount LCD touchscreen display that provides the ability to recall multiple lighting scenes for a given zone. It's ideal for large multi-purpose spaces where lighting requirements vary throughout the day, such as an auditorium or conference room.
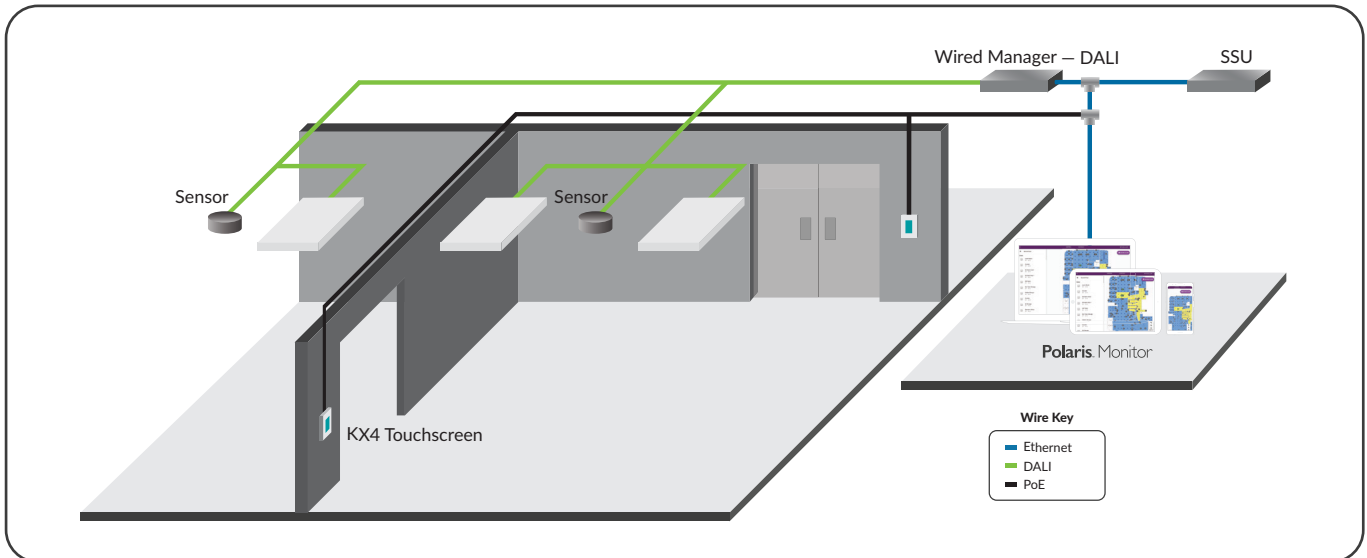
ENCELIUM

KX4

SYSTEM OVERVIEW

❶ **Wired System Overview**

With Encelium X, you can control DALI devices exclusively or a mixture of GreenBus and DALI.
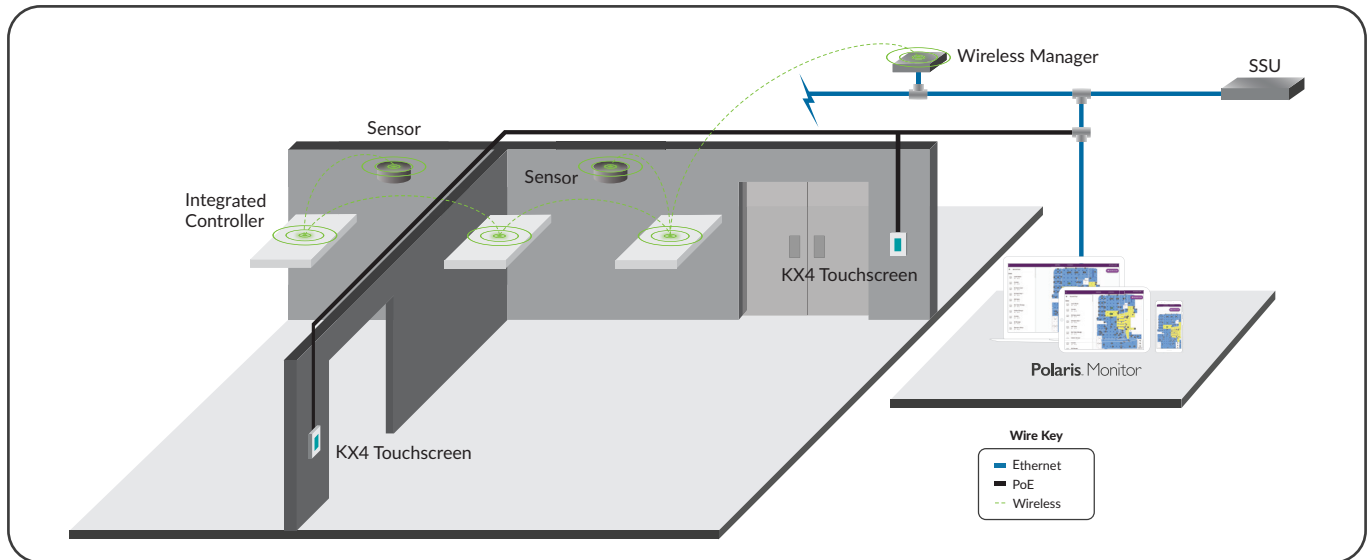
GreenBus
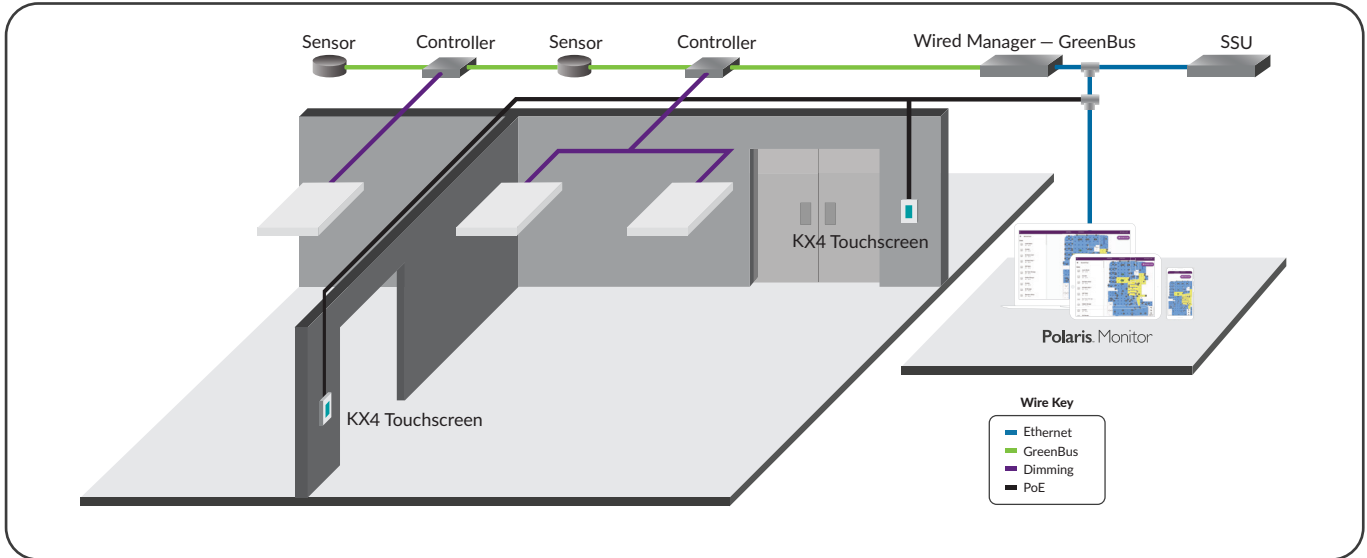
DALI

❷ **Wireless System Overview**

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

Wireless Manager

SSU

Sensor

Sensor

Integrated
Controller

KX4 Touchscreen

KX4 Touchscreen

Polaris. Monitor

Wire Key

- Ethernet
- PoE
- Wireless

KX4

MOUNTING OPTION

The KX4 Touchscreen is designed for flush-mount, in-wall installations. It requires an available mounting depth of 52.5 mm (2 inches) from the surface of the wall. The recommended mounting height for the KX4 Touchscreen is between 1.4 and 1.5 m (4.5 and 5 ft) from the bottom of the faceplate.
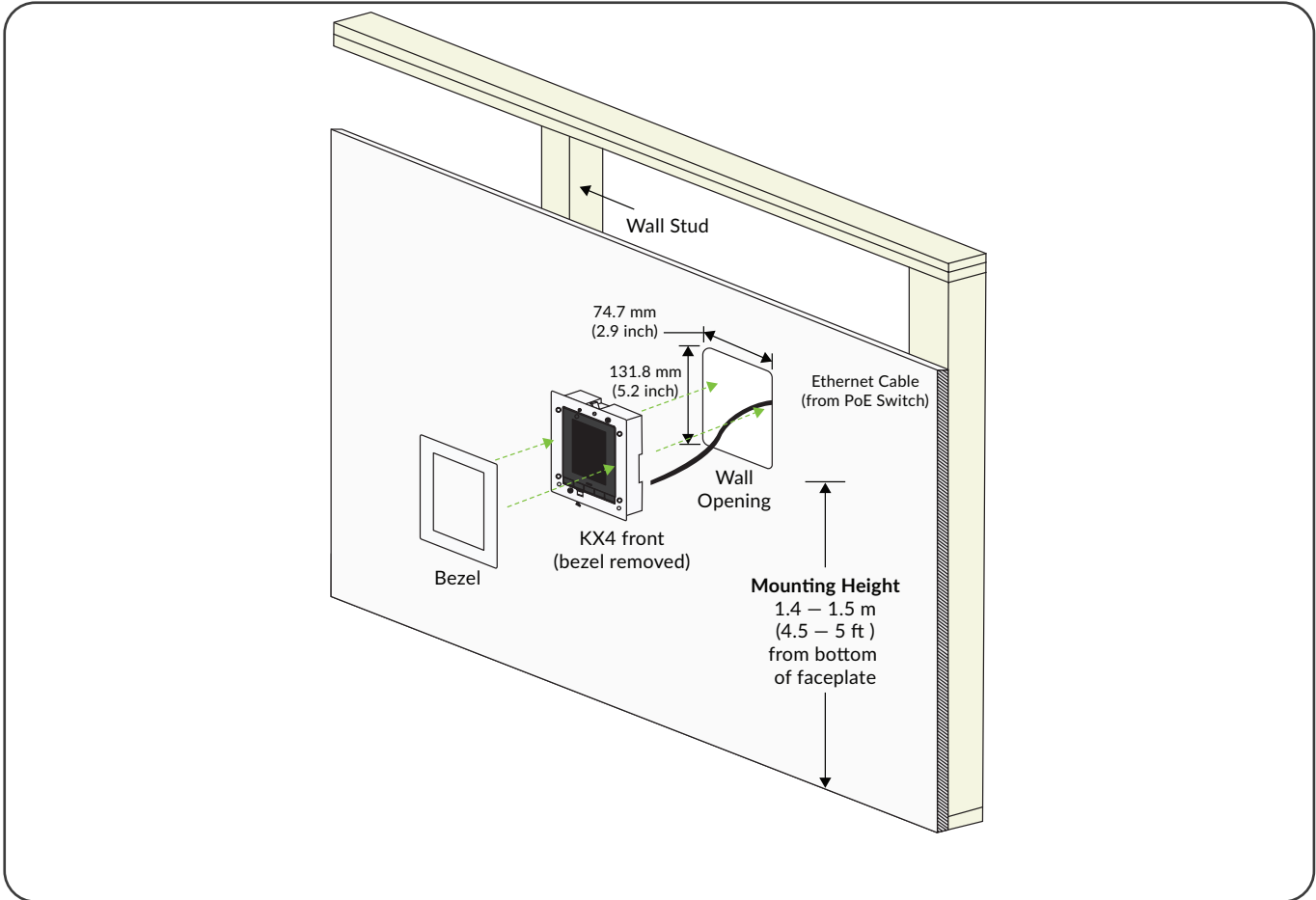

Note: There is little margin for error when fitting the KX4 Touchscreen into the wall opening. Make sure to use the included cardboard cut-out template to create the correct size opening in the wall. Additionally, carefully double-check that all measurements taken using the cardboard cut-out template are accurate.

Note: Where wallbox mounting is required, 10-210560-15 (RTI KX4 Back Box) may be ordered. Note that the RTI-KX4 cannot be installed into a standard wallbox and must either be mounted using the built-in mounting arms, or into the 10-210560-15 KX4 wallbox.

INSTALLATION

❶ The KX4 Touchscreen shall be installed in dry, indoor locations ONLY.

Front View   Rear View
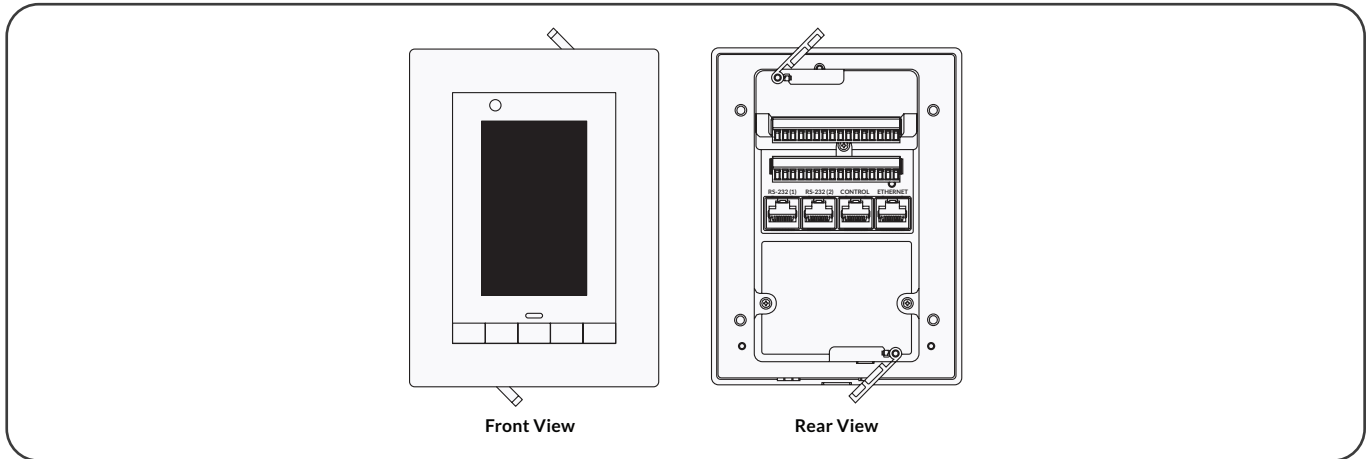
❷ The KX4 Touchscreen has the following built-in components: ambient and proximity sensors and reset button.

Reset Button

Ambient and
Proximity Sensors

KX4
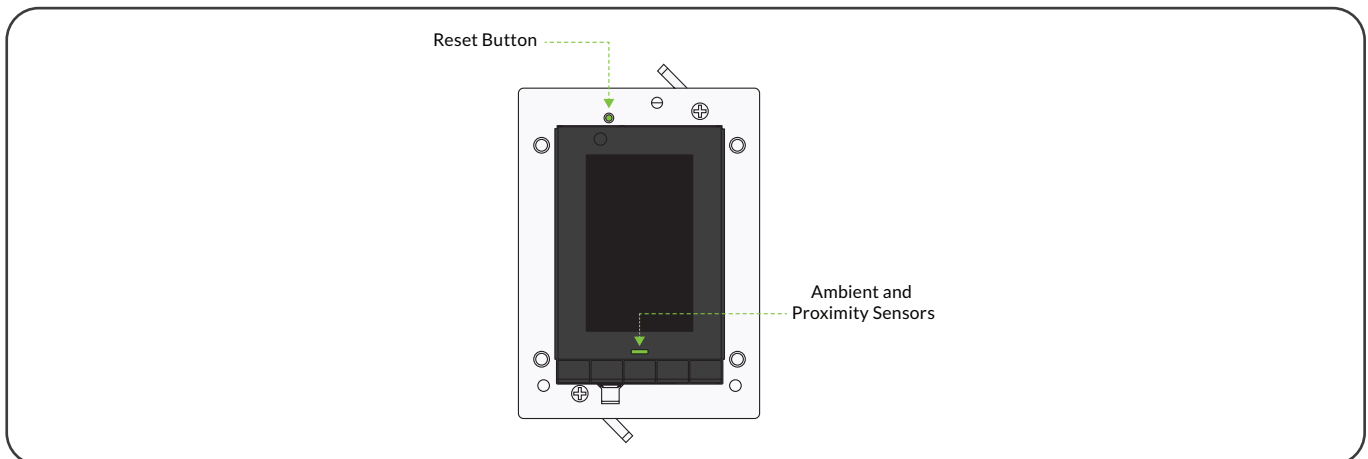
ELECTRICAL CONNECTIONS

❶ **KX4 Touchscreen Wiring Diagram**
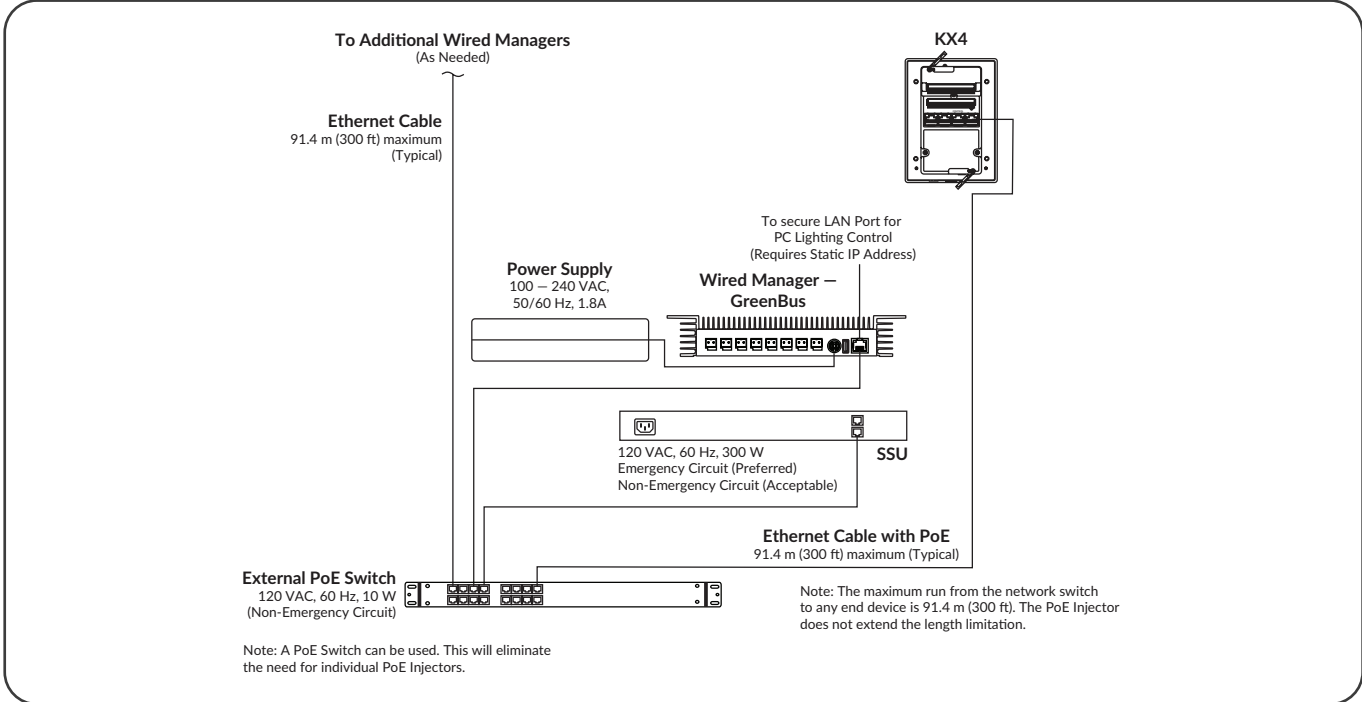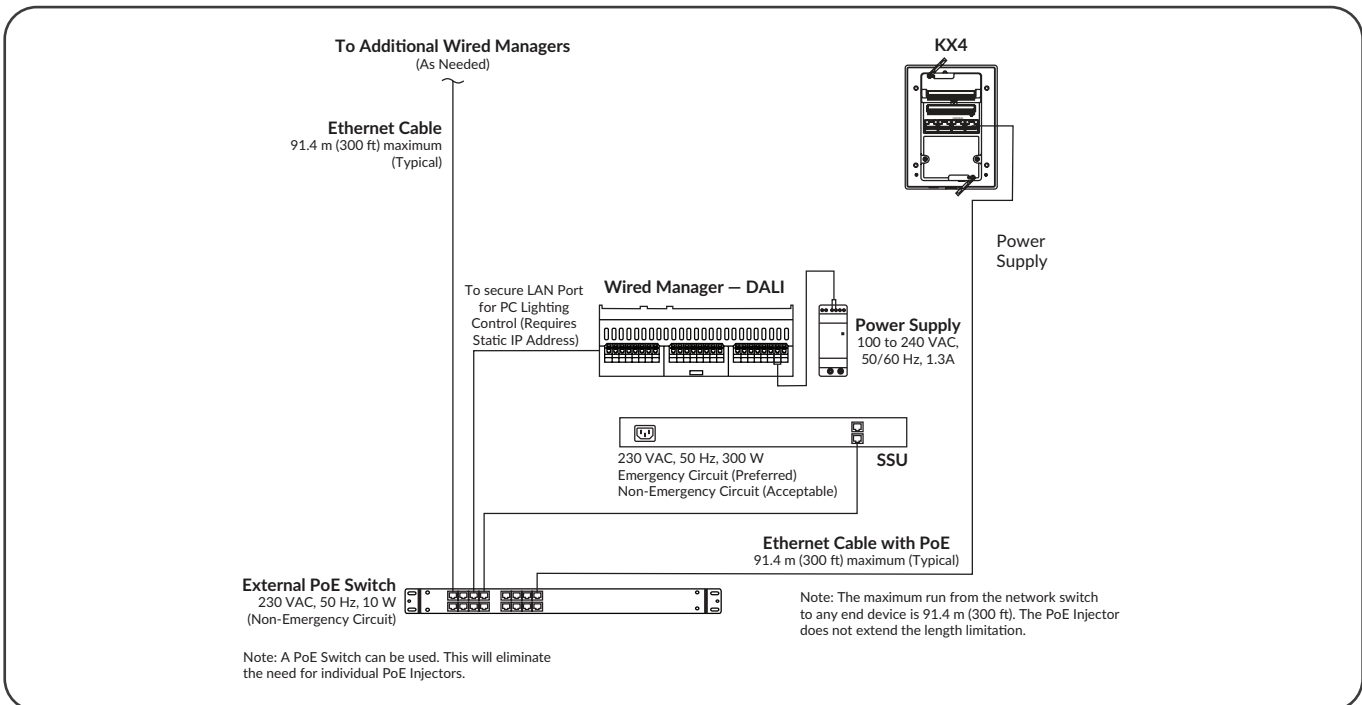
GreenBus

To Additional Wired Managers
(As Needed)

KX4

Ethernet Cable
91.4 m (300 ft) maximum
(Typical)

To secure LAN Port for
PC Lighting Control
(Requires Static IP Address)

Power Supply
100 — 240 VAC,
50/60 Hz, 1.8A

**Wired Manager —
GreenBus**

SSU

120 VAC, 60 Hz, 300 W
Emergency Circuit (Preferred)
Non-Emergency Circuit (Acceptable)

Ethernet Cable with PoE
91.4 m (300 ft) maximum (Typical)

External PoE Switch
120 VAC, 60 Hz, 10 W
(Non-Emergency Circuit)

Note: The maximum run from the network switch
to any end device is 91.4 m (300 ft). The PoE Injector
does not extend the length limitation.

Note: A PoE Switch can be used. This will eliminate
the need for individual PoE Injectors.

DALI

To Additional Wired Managers
(As Needed)

KX4

Ethernet Cable
91.4 m (300 ft) maximum
(Typical)

Power
Supply

To secure LAN Port
for PC Lighting
Control (Requires
Static IP Address)

Wired Manager — DALI

Power Supply
100 to 240 VAC,
50/60 Hz, 1.3A

SSU

230 VAC, 50 Hz, 300 W
Emergency Circuit (Preferred)
Non-Emergency Circuit (Acceptable)

Ethernet Cable with PoE
91.4 m (300 ft) maximum (Typical)

External PoE Switch
230 VAC, 50 Hz, 10 W
(Non-Emergency Circuit)

Note: The maximum run from the network switch
to any end device is 91.4 m (300 ft). The PoE Injector
does not extend the length limitation.

Note: A PoE Switch can be used. This will eliminate
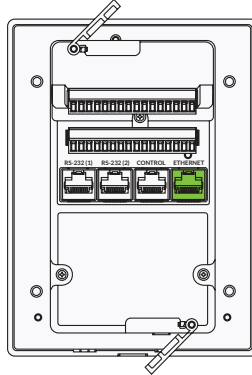the need for individual PoE Injectors.

❷ **Ethernet Port Wiring**
The Ethernet (LAN) connection enables communication with a control system and power-over-Ethernet (PoE). When powering the KX4 using PoE, a 802.3af Compliant class 3 PoE switch must be used.
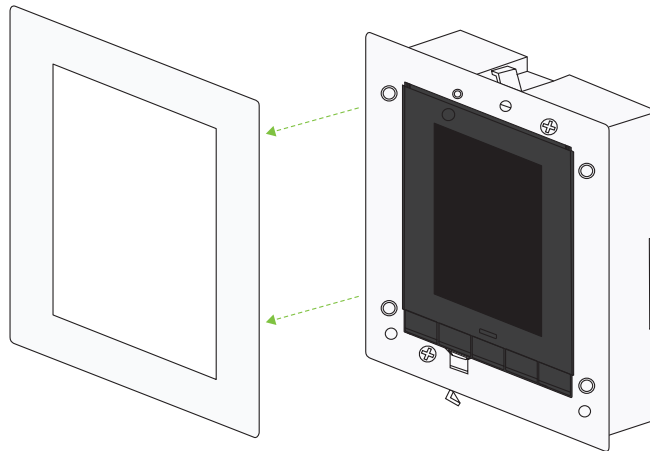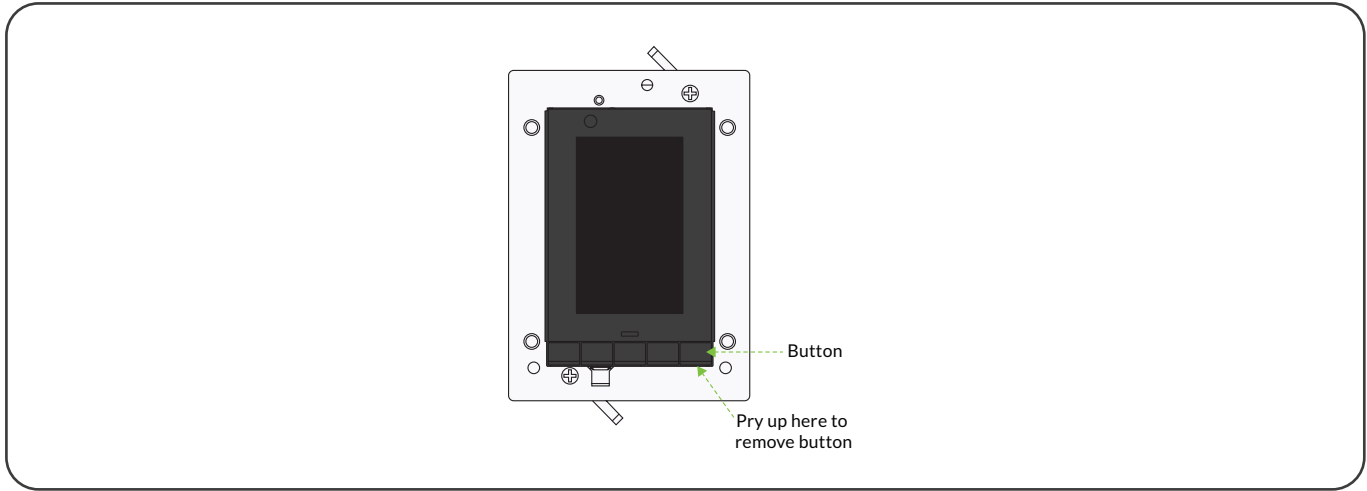

BUTTON KEYCAP REPLACEMENT

The KX4 Touchscreen hard button keycaps are compatible with the Laser Shark custom button etching service.

REMOVING BUTTON KEYCAPS

❶ Remove the KX4 bezel.

❷ Using your fingernail or small screwdriver, gently pry up on the bottom edge of the keycap.

Button

Pry up here to
remove button

INSTALLING BUTTON KEYCAPS

❶ Align the keycap directly over the button location.

❷ Gently press straight down on the keycap until it is seated flush with the display.

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