Operation Guide

Thank you for purchasing the Larson Electronics **CL1B-DNS** LED beacon. Follow the steps below for installing and maintaining your unit.

Installation

- Carefully unpack the unit and place it near your mounting location.
- Mount the beacon in your desired location using the three predrilled holes located on the base. Wire routing should be taken into consideration when choosing a mounting location. This unit allows indoor or outdoor mounting as long as the appropriate wire routing is used.

Wiring

120-277V AC MODEL (*-1227*)
BROWN > BLACK (HOT)
BLUE > WHITE (NEUTRAL)
View wire diagram on page 2.

12-24V DC MODEL (*-1224*)
RED + (POSITIVE)
BLACK - (NEGATIVE)

Flash Patterns

The CL1B LED Beacon is programmed with 30 different flash patterns listed below.

Synchronous Flash Patterns

FP1: Single Alert 75 PHASE 1 (sim)
FP2: Single Alert 75 PHASE 2 (sim)
FP3: Quad Flash 75 PHASE 1 (sim)
FP4: Quad Flash 75 PHASE 2 (sim)
FP5: Double Flash 150 PHASE 1 (sim)
FP6: Double Flash 150 PHASE 2 (sim)
FP7: Double Flash 75 PHASE 1 (sim)
FP8: Double Flash 75 PHASE 2 (sim)
FP9: Single Flash 375 PHASE 1 (sim)
FP10: Single Flash 375 PHASE 2 (sim)
FP11: Single Flash 150 PHASE 1 (sim)
FP12: Single Flash 150 PHASE 2 (sim)
FP13: Single Flash 75 PHASE 1 (sim)
FP14: Single Flash 75 PHASE 2 (sim)
FP15: Single Alert 75 (alt)
FP16: Quad Alert 75 (alt)
FP17: Double Flash 150 (alt)
FP18: Double Flash 75 (alt)
FP19: Single Flash 375 (alt)
FP20: Single Flash 150 (alt)
FP21: Single Flash 75 (alt)

(sim): Front and rear LEDS fire simultaneously
(alt) Front and rear LEDS alternate

Non-synchronous Flash Patterns

FP22: Single Alert 75 PHASE 1 (sim)
FP23: Single Alert 75 PHASE 2 (sim)
FP24: Quad Flash 75 PHASE 1 (sim)
FP25: Quad Flash 75 PHASE 2 (sim)
FP26: Double Flash 150 PHASE 1 (sim)
FP27: Single Flash 150 PHASE 2 (sim)
FP28: Single Flash 75 PHASE 1 (sim)
FP29: Single Flash 75 PHASE 2 (sim)
FP30: Single Alert 75 (alt)

(sim): Front and rear LEDS fire simultaneously
(alt) Front and rear LEDS alternate

Synchronization

- To Sync two beacons, configure both beacons to display the same Phase 1 pattern.
- With the power off, connect the YELLOW wires from each beacon together.
- When the beacons are activated, their patterns will be synchronized.
- To configure the two light heads to alternate their patterns, advance the pattern of either beacon to the Phase 2 mode of the current pattern.

***NOTICE:** Do not SYNC more than 8 beacons!*

Setting the Flash Pattern

Each pattern can be selected by pressing the momentary toggle switch. The selected pattern will remain during power cycles.

- Less than 1 second for the **NEXT** pattern
- 1 to 3 seconds for the **PREVIOUS** pattern
- 3 to 5 seconds for the **DEFAULT** pattern
- Greater than 5 seconds to **TURN OFF** the beacon

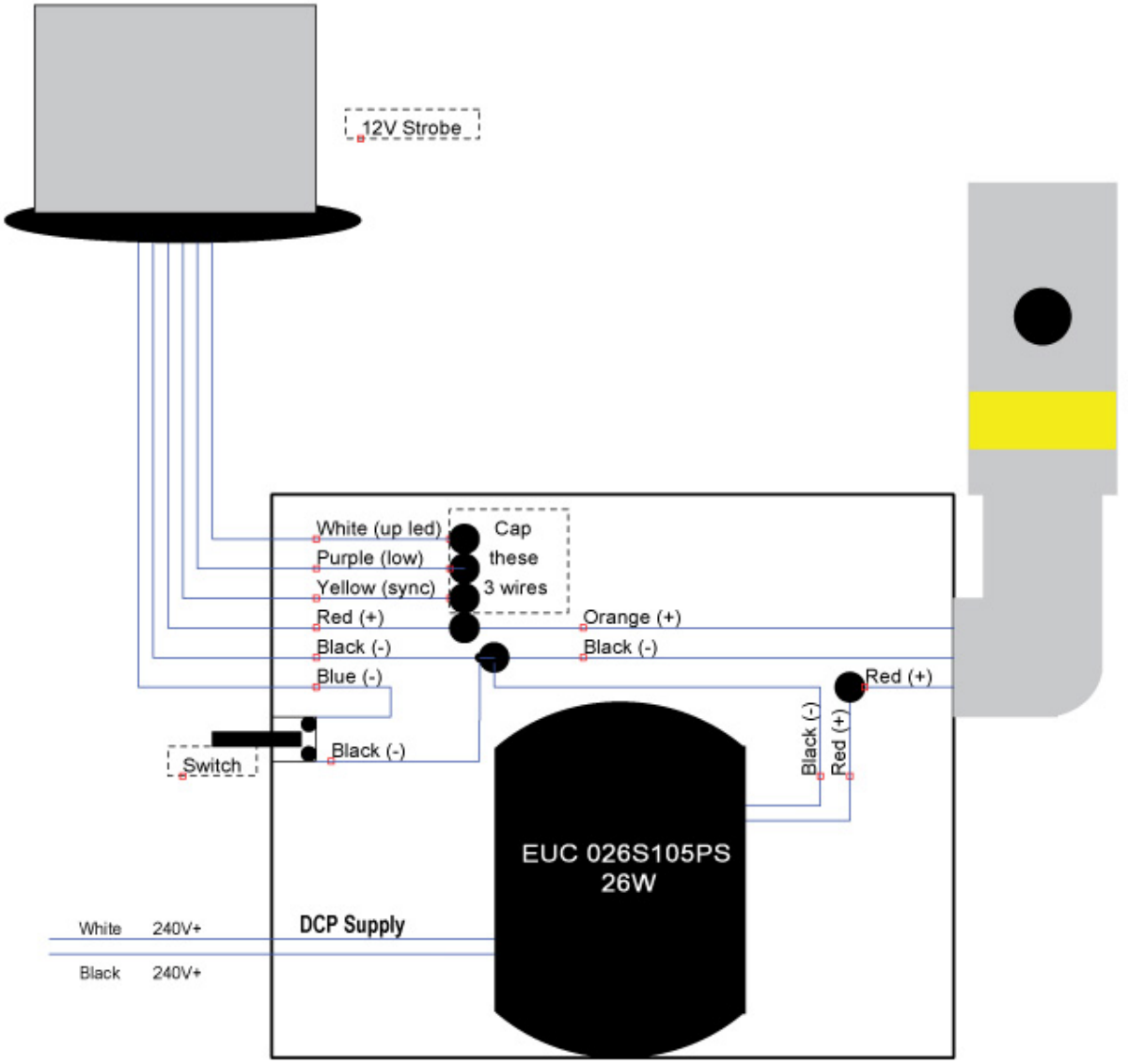
Day/Night Photocell Sensor

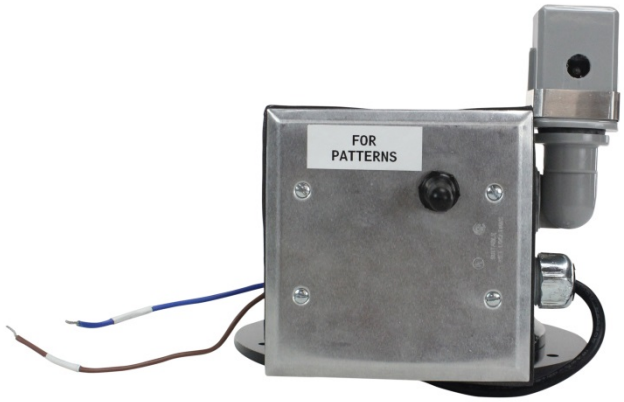
This unit is equipped with a dusk to dawn photocell for activating the light at night. For operating the unit full time, slide the cover over the photocell sensor to disable it.

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Wire Diagram





Specifications

Lamp Type: LED
Dimensions: 4.5"-High, 6.75" Diameter
Lamp Weight: 4 lbs
Wattage: 14.4
Lumens: 1,440
Luminous Efficiency: 100 Lumens per Watt
Lighting Configuration: Strobing Flash
Voltage: 120- 240v AC *(-1227)* **|** 12-24v DC *(-1224)*
Mounting: Permanent Mount
Wiring: Direct Wiring to Power Source
Ambient Temp: -45°C to +55°C