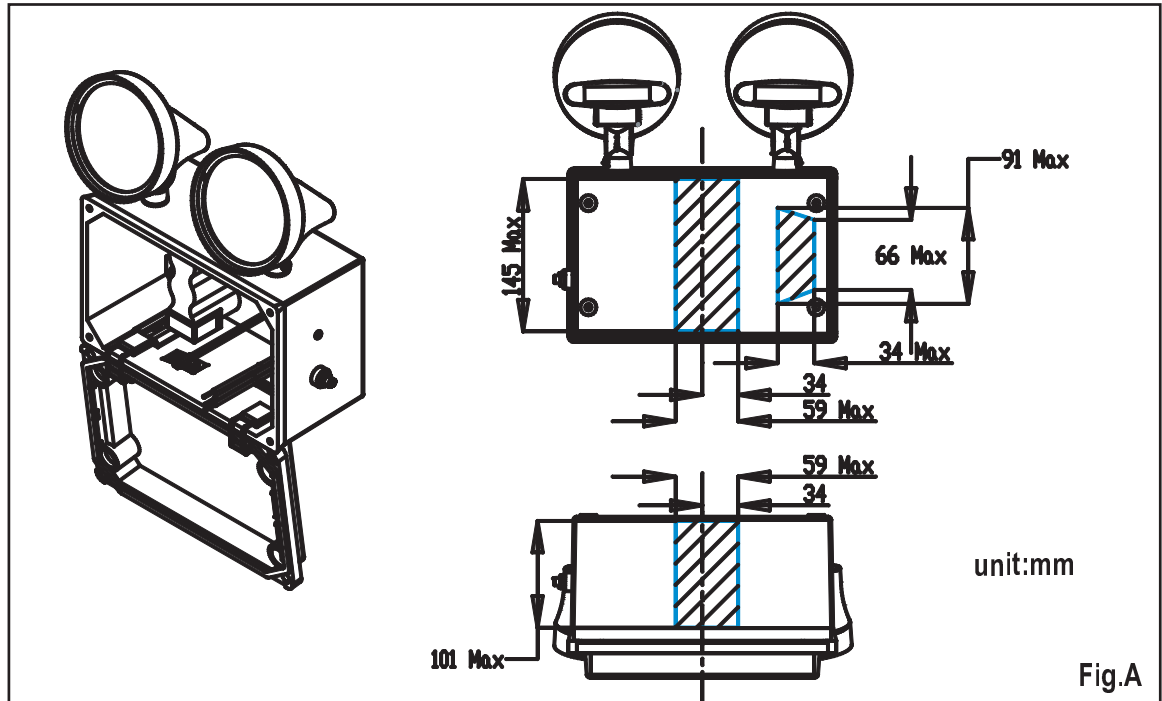


Installation Instructions for the Sure-Lites SELIN Series Emergency Light


Fig.A

IMPORTANT SAFEGUARDS

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

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

2. Do not let power supply cords touch hot surfaces.
3. Do not mount near gas or electric heaters.
4. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
5. The use of accessory equipment not recommended by Sure-Lites may cause an unsafe condition.
6. Do not use this equipment for other than its intended purpose.
7. Some equipment covered by these instructions are approved for remote fixtures. This equipment has a load fuse. Check load rating of equipment to calculate remote capability. DO NOT exceed remote capacity rating. the fuse will be cutting off when over loaded.

8. SAVE THESE INSTRUCTIONS

MAX MOUNTING HEIGHT: SELIN25R10SD - 14ft
SELIN50R7SD - 21ft
SELIN60R4SD - 24ft

⚠ WARNING

Risk of Electric Shock

Disconnect power at fuse or circuit breaker before installing or servicing.

⚠ WARNING

Risk of Fire/Electric Shock

If not qualified, consult an electrician.

INSTALLATION

- Step 1. Loosen the four screws at corners of cover and open cover.
- Step 2. Drilling position as shown in the Fig. A shaded area.
- Step 3. Mount the unit securely in place through the four holes provided in the housing, please follow the Hoffman instructions sheet.
- Step 4. Make conduit connections using UL listed suitable for wet location connector. See "INSTALLATION OF CONDUIT, CONDUIT CONNECTOR (HUB) AND GROUNDING ADAPTER."



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- Step 5.

Connect the incoming wires to the fixture's power supply wires using the wire nuts provided. Connect the white wire to neutral. If using 120V, connect the black wire to the hot lead. If using 277V, connect the orange wire to the hot lead. Cap the unused lead. Secure the emergency light to the wall and/or junction box using installer supplied hardware.
- Step 6.

If remote lamps are to be connected, extend DC circuit per article 700 and 720 of N.E.C. and connect to yellow(-) and violet(+) leads provided.
- Step 7.

Connect battery leads to PCB. Lamps will light at this time.
- Step 8.

Replace cover
- Step 9.

Turn on AC supply. Lamps will extinguish at this time.

INSTALLATION OF CONDUIT, CONDUIT CONNECTOR (HUB) AND GROUNDING ADAPTER.

Conduit hubs and grounding adapters selected from Table 1 provide a means to comply with equipment grounding requirements.

- IMPORTANT:

In order to guard against enclosure damage, the conduit should be aligned so as to prevent unnecessary stress on the enclosure walls.
- Step 1.

Secure the conduit connector(hub) onto the conduit and then secure conduit connector (hub) into the prepared enclosure hole using connector locknut.
- Step 2.

Prepare conduit holes in enclosure at the desired location using preferred methods such as hole cutter or hole saw (see table for hole size). When using the hole cutter, place the punch on the inside of the enclosure and draw it through to the outside.

MAINTENANCE

Replace the batteries as needed according to ambient conditions. However, we recommend that the equipment be tested regularly in accordance with local codes.

NOTE:

Servicing of any parts should be performed by qualified service personnel.
For replacement battery ,PC board, see fixture labels.

ACTIVATING TIME DELAY

The SELIN series has an integrated time delay circuit that allows them to remain in emergency mode 15 minutes after power is restored. To activate the time delay, remove the jumper on the circuit board labeled TDI/J1.

OPERATION

The Sure-Lites Eagle Eye Self Diagnostics is continuously monitoring your emergency fixture, and will signal any failure through the 3 color indicator LED.

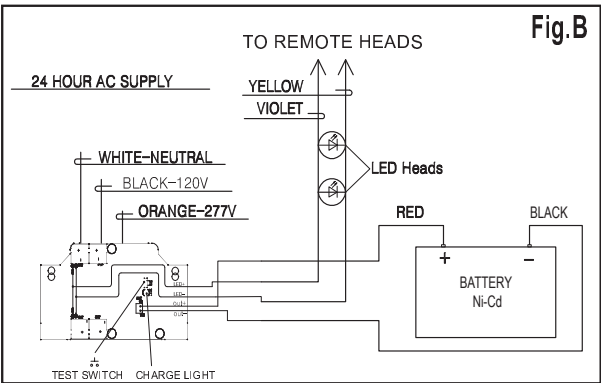


TABLE 1

Conduit Size	Conduit Connector (Hub)		Grounding Adapter	
	Hole Size	Catalog Number	Catalog Number	Ground Wire Range
1/2"	7/8"	1490-N1	1490-N19	14-10
3/4"	1 1/8"	1490-N9	1490-N20	14-8

- Initial Operation:
- When the unit is first powered up, it will go into a 24 hour fast charge, indicated by the indicator LED pulsing green. Once the unit has fully charged, it will perform a self calibration, after which the LED will change to steady green, indicating the unit is fully charged and float charging the battery to maintain readiness.
- Automatic Testing:
- The unit will perform a battery capacity, lamp/LED, and charge circuit test every 30 days for 30 seconds. During this time, the indicator LED will change to a steady yellow. It will perform a full battery capacity (90 minute) test once per year. During this time, the indicator LED will change to a blinking yellow.
- Manual Testing:
- 10 Second "Installation" test - Press and release the test button once during fast charge (blinking green) to initiate a 10 second quick test. The sign will switch to emergency mode for 10 seconds allowing the installer to verify proper installation of the unit, and the LED indicator will turn solid yellow.
 - 30 Second Test - Press and release the test button once during float charge (steady green). The indicator LED will turn steady yellow to indicate the unit is performing a 30 second test of the batteries and lamps/LEDs.
 - 90 Minute Test - Press and release the test button a second time during a 30 second test (steady yellow) to change to a 90 minute test. During this test, the LED indicator will change to blinking yellow, and the circuit will perform a full battery capacity, charge circuit, and LED test.
 - Canceling Test - Press and release the test button during the 90 minute test (flashing yellow) to return the fixture to its original state (fast charge or float charge).
- Clearing Failure Codes
- A battery failure (LED two blink red) can be cleared by replacing the battery. Disconnecting the battery and AC power, or performing a full 90 minute discharge, will reset the error code, however, it will return if the battery is faulty.

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- Charge Circuit (LED three blink red) and lamp/LED failure (LED four blink red) will clear when the unit successfully passes a manual or automatic 30 second test.

Indicators

- LED Off -No power to unit, emergency mode.
- LED Steady Green -Unit is fully charged and is float charging the battery to maintain readiness.
- LED Green Pulse -Unit is in a 24 hour fast charge of the battery.
- LED Two Blink Red -Battery has failed a capacity test, or the battery is disconnected. See “Clearing Failure Codes” above.
- LED Three Blink Red -Battery charge circuit has failed. See “Clearing Failure Codes” above.
- LED Four Blink Red -Lamps have burned out, or on an EXIT/ Combo, 50% or more of the LEDs have failed. See “Clearing Failure Codes” above.
- LED Steady Yellow -30 second test or 10 second quick test (Fast Charge only).
- LED Blinking Yellow -90 minute test









CAUTION: The SELIN Series Emergency Light is furnished with a sophisticated low voltage battery dropout circuit to protect the battery from over discharge after the useful output has been reached .
Allow 24 hours recharge time after installation to power failure for full load testing.

TROUBLESHOOTING GUIDE

If LED heads or charge indicator LED does not illuminate, check the following:

1. Check AC supply-verify that unit has 24 hour AC supply.
2. Unit is shorted or battery is not connected.
3. Battery discharged. Permit unit to charge for 24 hours and then re-test.

If following the above trouble shooting hints does not solve your problem, contact your local Eaton Lighting representative for assistance.

SURE-LITES Eagle Eye Self-Diagnostics		OFF - EMERGENCY MODE / POWER OFF		STEADY BLINK YELLOW - 90 MINUTE TEST
		STEADY BLINK GREEN - FAST CHARGE		2 BLINK RED - BATTERY FAILURE
		STEADY GREEN - FULL / FLOAT CHARGE		3 BLINK RED - CHARGE CIRCUIT FAILURE
		STEADY YELLOW - QUICK TEST		4 BLINK RED - LAMP / LED FAILURE