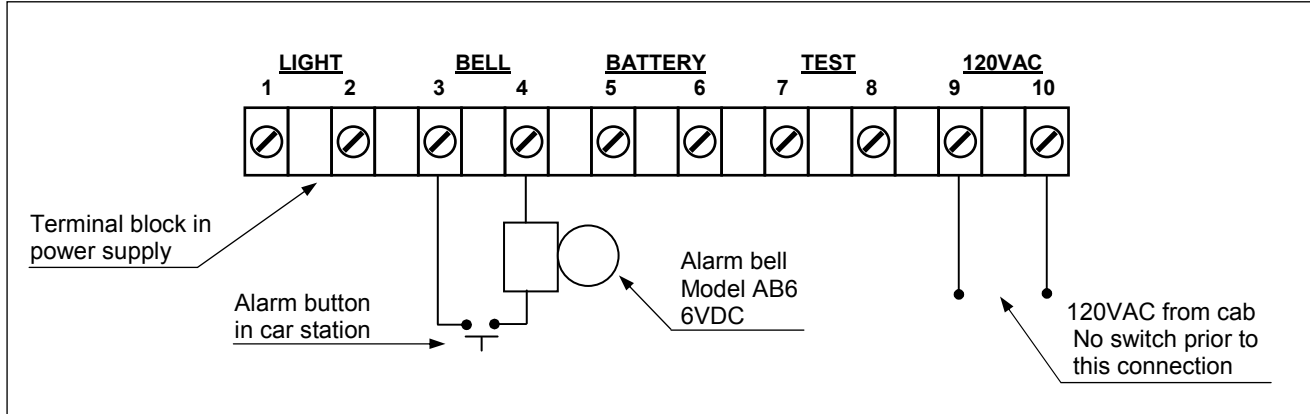


# EMERGENCY LIGHT MODELS ELWS-2 & ELWS-2B INSTALLATION INSTRUCTION

## ELWS wiring diagram



## ELWS Installation

1. For best operation, locate the unit above the car operating panel or to either side, so that the directed light from the unit illuminates the car operating panel. Best lighting obtained when unit mounted within three feet of the car operating panel.
2. Remove three tamperproof screws from the stainless steel cover. This will expose the circuit board and terminal block.
3. Depend of the unit location, remove appropriate 120VAC power lead knockout.
4. Place unit on wall in desired place, mark and drill electrical and mounting holes, secure unit on wall with screws.
5. Install proper code approved wiring. Bring power to the terminal block, terminals 9-10 "120VAC"; connect the 120VAC power lead across any primary power source to the cab, preferably the one feeding the cab lighting circuit. Be sure it is on the power side of the cab lighting switch so that it cannot be put into operation by turning off the cab lights. Terminals 1-2 "Light", 5-6 "Battery", and 7-8 "Test" connected or prewired by manufacturer.

**NOTE:** Model ELWS is designed to be used as an emergency light only, ready to operate when there is a power failure. Any other use, such as a night light or service light violates this principle and may prevent it from serving its purpose, providing light in an emergency.

6. The fuses are shipped removed from holders to avoid accidental battery discharge. When the 120VAC connections are completed and the system is ready to be operated, push fuses carefully into fuse clip. Carefully avoid shorting when making this final connection as it could cause permanent damage.
7. The system is now in automatic operation. Depress the inspection switch button and the lighting circuit should be operational unless the battery has been discharged due to long storage. If the battery is low, allow several hours of charging before rechecking. If the light stays on it indicates that the 120VAC power is not available. Check if there is power at the terminal block.
8. Replace stainless steel cover by replacing three tamperproof screws.

## Alarm Bell Model AB6 installation (optional)

Bell can be located on car top, crosshead or remotely up to 200 feet away. Wire bell with #18 wires in series with the car station alarm push button, and connect to terminals 3-4 "Bell" on the circuit board. The bell will operate at all times - whether the 120VAC power is on, or during a power failure.

**WARNING:** This unit supplies power to the bell through solid-state components. Do not substitute 6VDC AB6 bell with any other bell or accessory. Doing so will cause improper lighting functions, and result in permanent damage to the emergency lighting components. **Use of any other bell but AB6 voids our warranty.**

INSTALL ELWS 071017