

Model 141ST-120

Electraflash® Strobe Warning Lights for Indoor/
Outdoor Use
256810 Rev G3 0323

Limited Warranty: This product's limited warranty can be found at www.fedsig.com/SSG-Warranty.

SAFETY MESSAGES TO INSTALLERS AND USERS

It is important to follow all instructions shipped with this product. This device is to be installed by a trained electrician who is thoroughly familiar with the National Electrical Code and/or Canadian Electrical Code and will follow the NEC and/or CEC Guidelines as well as all local codes. This device should be considered a part of the warning system and not the entire warning system.

The selection of the mounting location for the device, its controls, and the routing of the wiring are to be accomplished under the direction of the facilities engineer and the safety engineer. Listed below are some other important safety instructions and precautions you should follow:

- Read and understand all instructions before installing or operating this equipment.
- Do not connect this light to the system when power is on.
- Never alter the light in any manner. Safety may be affected if additional openings or alterations are made to the internal components or housing.
- After installation, test the light system to ensure that it is operating properly.
- Establish a procedure to routinely check the light system for proper activation and operation.
- This device is not to be used as a visual public mode alarm notification appliance.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.

OVERVIEW – The 141ST is a strobe light designed for a variety of industrial uses. This compact warning light is less than six inches tall and six inches in diameter.

Model 141ST includes a removable strobe mechanism. The 12 Vdc and 24 Vdc units have three holes for flat surface mounting. The 120 Vac versions come ready to mount on a 1/2" NPT pipe. Optional wall mounting brackets (Model LWMB2) or corner mounting brackets (Model LCMB2) are available for the 120 Vac unit.



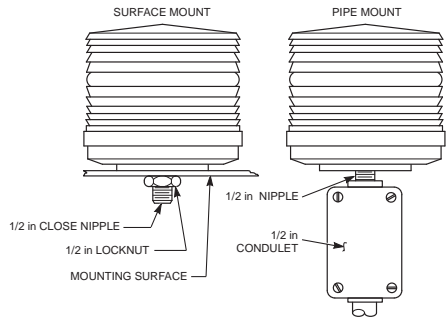
Federal Signal's Electraflash strobe lights are designed for both indoor and outdoor industrial environments. The unit's convenient size and intense light output make it ideal for use on maintenance vehicles, forklifts, and other material handling equipment, effectively alerting hazardous conditions or dangerous areas.

Unpacking the Device – After unpacking the device, examine it for damage and verify the parts. If a part is missing or damaged, do not attempt to install the device. Contact Federal Signal Customer Support.

Mounting the Light

The 141ST model may be mounted on a flat surface or a half-inch pipe as shown in Figure 1. Optional wall brackets are available for mounting the light on walls or at the corners. See "Ordering Replacement Parts."

Figure 1 Options for mounting the light



Wiring the Light

WARNING

SHOCK HAZARD: To avoid electrical shock hazards, do not connect or disconnect wires while power is applied.

Use only 14 AWG to 18 AWG wire for the power connections. Strip no more than 0.25" of wire insulation from the ends of the power leads.

To connect power:

1. Remove the two outer dome screws in the base and remove the dome.

2. Connect the AC power leads to the 120 Vac terminals of the two-position connector by inserting the stripped wire ends into the connector as far as they can travel. AC connections are not polarized.
3. Make sure the insulation of the supply lead is flush with the connector. If stranded wire is used, make sure that there are no loose strands outside the connector plug that could touch the adjacent lead and cause a short circuit.
4. Tighten the terminal screws to secure the wires in the connector.
5. Place the outer dome back into position and reinstall the two outer dome screws.
6. Apply power to verify that the light operates properly.

Maintaining the Light

SAFETY MESSAGE TO MAINTENANCE PERSONNEL

Listed below are some important safety instructions and precautions you should follow:

- Any maintenance to the light system must be done with power turned off.
- Any maintenance to the light system must be performed by a trained electrician who is thoroughly familiar with all applicable national and local codes in the country of use.
- The nameplate should NOT be obscured, as it contains cautionary and/or other information of importance to maintenance personnel. Ensure that the nameplate remains readable if the housing exterior is painted.
- After performing any maintenance, test the light system to ensure that it is operating properly.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

Replacing the Strobe Tube

WARNING

SHOCK HAZARD: Strobe systems generate high voltages. Disconnect power from the strobe system and wait at least 5 minutes before opening the unit. Do not apply power to the unit while it is open. Failure to follow this warning could result in serious injury or death.

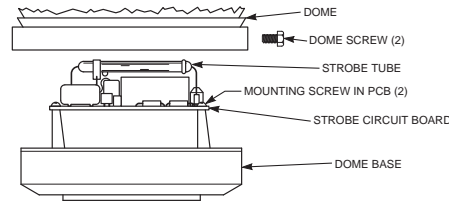
CAUTION

HANDLE STROBE TUBES CAREFULLY: Strobe tubes get hot enough to burn you. Always allow these tubes to cool before handling them. Strobe tubes are also pressurized and, if broken, can result in flying glass. Failure to follow this warning may result in personal injury.

To replace the strobe tube:

1. Disconnect power from the electrical circuit.
2. Wait at least five minutes before removing the dome.
3. Remove the two outer dome screws in the base assembly and remove the dome. See Figure 2.

Figure 2 Dome removed from base



4. Carefully remove the old strobe tube by lifting it from both sides at once.

NOTICE

DO NOT TOUCH THE STROBE TUBE WITH BARE HANDS: Oil deposits on the glass portion of the strobe tube can cause the glass to fracture during use. If you are unsure if the glass has been handled without gloves, clean the glass using a soft cloth and isopropyl alcohol before installing the tube.

5. Insert the new tube into the connectors on the board surface. Make sure all three pins enter the board connectors and apply pressure slowly to the outer leads to properly seat the strobe tube.
6. Place the outer dome back into position and reinstall the two screws in the outer dome.
7. Apply power and verify that the light operates properly.

Cleaning the Enclosure

The enclosure should be cleaned periodically to maintain maximum light output. Use only mild, non-abrasive cleaning agents. The lens should be regularly inspected for scratches and chips, and, if damaged, it should be replaced.

Maintenance and Service

Technical Assistance: Contact our Technical Support Team at +1 708-587-3587 or signalsupport@fedsig.com.

Repair Service: A return authorization is required. Contact your Authorized Distributor or Federal Signal Customer Support. Defective products under warranty will be repaired or replaced at Federal Signal's discretion.

Product Returns: Returns require authorization from Federal Signal. Contact your Authorized Distributor for more information on our return policy or to request a return.

Ordering Replacement Parts

Consult the product datasheet online for an updated list of replacement parts. If the product requires a part that is not available for purchase, your unit must be repaired or replaced.

Table 1 Replacement parts

Description	Part Number
Lens, Amber	K8263079A
Lens, Blue	K8263079A-01
Lens, Red	K8263079A-02
Lens, Green	K8263079A-03
Strobe Tube	K149128A

Table 2 Optional accessories

Description	Part Number
Corner Bracket	LCMB2
Wall Bracket	LWMB2



FEDERAL SIGNAL
Safety and Security Systems

2645 Federal Signal Drive, University Park, Illinois 60484

Additional translations available at signaling.fedsig.com

Traducciones adicionales disponibles en signaling.fedsig.com

Customer Support 1-800-344-4634+1-708-534-4756, iordersup@fedsig.com

Technical Support 1-800-755-7621+1-708-587-3587, signalsupport@fedsig.com

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