

Models 224XST, 225XST, and 225XST-I

Electrarray® Hazardous Location Strobe Lights
2561693 Rev F5 1123

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

SAFETY MESSAGES TO INSTALLERS AND USERS

The product should be installed by a licensed electrician and follow all safety instructions. Failure to do so may result in property damage, serious injury, or death.

- **HIGH VOLTAGE SHOCK HAZARD:** Wait 5 minutes after removing power before removing the dome. Do not connect wires when the circuits are energized.
- To be an effective warning device, this product produces bright light that could be hazardous to your eyesight. Do not stare directly at the light. Rapid flashing could induce photosensitive epilepsy.
- Never alter the unit in any manner. Safety in hazardous locations may be endangered if additional openings or alternations are made.
- **WARNING - EXPLOSION HAZARD:** Disconnect the fixture from the supply circuit before opening. Keep the unit tightly closed when in operation. Do not disconnect while the circuit is live. Substitution of components may impair suitability for Class I, Division 2. Do not install the unit in a hazardous location if the operating temperature exceeds the atmosphere's ignition temperature.

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

OVERVIEW – Model 225XST is available in 12-24 VDC, 120 VAC (50/60 Hz), or 240 VAC (50/60 Hz). Models 224XST and 225XST-I are available in 24 VDC. These hazardous location strobe warning lights produce 80 FPM.

Certifications and Ratings

- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III; or non-hazardous locations.
- Type 4X, IP66 enclosure. Indoor or outdoor use.
- IP69K Compliant
- CSA Certified
- Model 225XST is NSF Certified (dome-up) for Splash Zones and Non-food Zones to NSF/ANSI 2: Food Equipment.
- Model 224XST is CSFM Approved.



- Electrical ratings: 0.70 A (24 VDC), 1.70-0.70 A (12-24 VDC), 0.20 A (120 VAC, 240 VAC)
- Certified Operating Temperature: -40°F to 104°F (-40°C to 40°C).

Table 1 T-Code at Maximum Ambient Temperature, 40°C

Hazardous Location	UL	CSA
Class I, Division 2, Groups A, B, C, D	T2A	T3A
Class II, Division 2, Groups F, G	T5	T6
Class III	T5	T6

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 it; contact Federal Signal Customer Support.

Installation

WARNING

WARNING - SHOCK/FIRE HAZARD: For four-wire models, all wires must be terminated. Failure to terminate both sets of wires (black/red) will result in a shock or fire hazard.

Figure 1 Exploded view

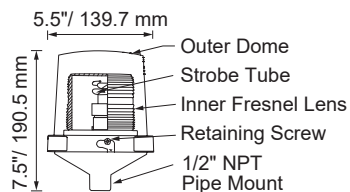
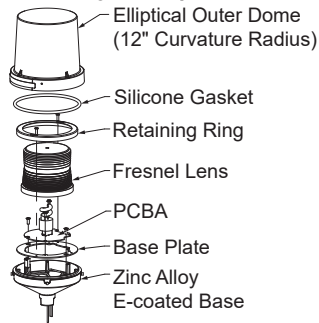
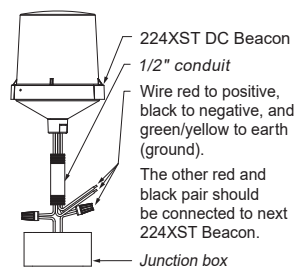


Figure 2 Wiring

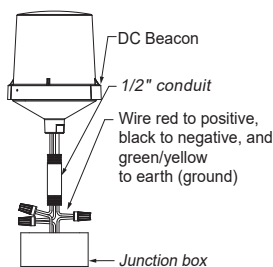
Model 224XST

24 Vdc

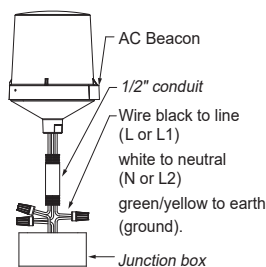


Models 225XST and 225XST-I

DC Models



AC Models



NOTE: Conduit, wire nuts and junction box pictured are not supplied

Mounting the Device

The units come standard to mount onto 1/2" NPT threaded pipe.

To comply with NEC Section 300-14, which requires a minimum of 6" of free conductor at a junction, the pipe used to join the unit to a splice box should be no longer than 10".

Wall mounting bracket LHWB is sold separately and is not NSF Certified.

Pipe Mounting

Feed the wires through the pipe and turn clockwise to tighten it. To prevent the connection from loosening, tighten the fixture to a minimum of 5 ft-lb (6.8Nm) after threading onto the pipe.

After mounting, wire the device per Figure 2.

Testing and Operating

After installation, test the unit to verify operation and establish a program for periodic testing. Provide a copy of these instructions to all operating personnel.

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. The product's dome should be regularly inspected for scratches or chips and if damaged, it must be replaced. A strap wrench (6" capacity) may be used to aid in the dome removal.



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Additional translations available at signaling.fedsig.com

Traducciones adicionales disponibles en signaling.fedsig.com

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