

INSTALLATION INSTRUCTIONS

MODEL AST-4-K EXPLOSION-PROOF STROBE WARNING LIGHT

Safety Instructions and Precautions:

- Read instructions before installing or operating this equipment.
- Do not connect this light when the source power is on.
- After installation is complete make sure that all set screws and threaded joints are properly tightened.
- After installation is complete, test the light to ensure that it is operating properly.
- After testing is complete, provide a copy of this instruction sheet to all personnel.
- Routinely check the light for proper operation.

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

WARNING

A damaged glass globe can lead to explosions which could result in serious injury or death. After unpacking the Ast-4 Strobe, examine it for damage that may have occurred during shipping. If the equipment has been damaged, do not attempt to install or operate it. Contact the courier company and report the damage.

1. INTRODUCTION

The Model Ast-4-K is An Explosion-Proof Strobe Warning Light which is CSA certified for both Canada and the United States for Class I Div.1 Environments and is Encl. 3, 4x rated. The unit is available with various input voltage ranges. See electrical ratings chart on the Ast-4 spec sheet for available voltage and current ratings. The operating temperature is -40 °C to + 85°C for the Ast-4-S and -50 °C to + 85 °C for the Ast-4-K-L.

2. INSTALLATION

CAUTION RISK OF FIRE. MIN 90°C SUPPLY CONDUCTORS.
CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR.

3. MOUNTING

The Ast-4-K strobe can be mounted using a pendant mount, wall mount, or ceiling mount. or stanchion and must be installed with the globe pointing down. All mounting brackets are provided with wires protruding from the mount ready to connect to the power source. For **CEILING MOUNT, WALL MOUNT** -Install the mount securely on support surface using the external mounting holes provided. For AC models, connect the ground wire to the green screw inside the mount and connect the incoming supply wires to the black wires provided on the mounting bracket. For DC models make sure to connect the positive (+) red wire from the mount to the positive lead on the incoming supply and the negative (-) black wire from the mount to the negative lead on the incoming supply. Close –up the un-used conduit entries with the plugs provided.

Next thread the strobe fixture onto the mount until tight and secure the locking set screw.

For **PENDANT MOUNT**-make sure that the conduit thread is clean and that the threads are not damaged. Thread the pendant mount onto the conduit and secure using the set screw. If a ground wire is required attach prior to threading onto conduit. For AC models, connect the ground wire to the green screw inside the mount and connect the incoming supply wires to the black wires provided on the mounting bracket. For DC models make sure to connect the positive (+) red wire from the mount to the positive lead on the incoming supply and the negative (-) black wire from the mount to the negative lead on the incoming supply.

4. Maintenance

Prior to performing any maintenance make sure to disconnect the light from the supply power. Never alter the unit in any manner. Safety in hazardous locations may be endangered if additional openings or other alterations are made.

Cleaning

Do not use any abrasive cleaners or strong cleaning solution on the fixture as it may damage the finish. It is important to keep the glass globe clean to ensure that the maximum light output is achieved.

Re-lamping

Loosen the set screw on the globe assembly and remove the globe by unthreading it. Remove the three screws securing the inner colored lens to the top of the circuit board. Remove the flash tube by depressing the clips on the bulb base and pull straight up. Install new bulb(Part # Ast-Ft 3050) making sure to press down firmly until it locks in place. Note the bulb is polarized and will only fit one way. Re-install inner lens and thread the globe assembly back on securing it with the set screw

Circuit Board Replacement

Loosen the set screw on the globe assembly and remove the globe by unthreading it. Remove the three screws securing the inner colored lens to the top of the circuit board. Remove the flash tube by depressing the clips on the bulb base and pull straight up. Loosen mounting screws and separate board from mounting stand-offs. Remove the two screws securing input wires to mounting block in base of fixture. Install replacement board(Part# Ast-4-voltage-Board). Re-install flash tube and colored lens. Thread globe assembly back onto base and tighten set screw.

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