

INSTRUCTION MANUAL
CAT. 72422 – 72425 Low-Intensity UV Lamp



Electron Microscopy Sciences
1560 Industry Road Hatfield, PA 19440
TEL: 215-412-8400 FAX: 215-412-8450 TOLL FREE: 1-800-523-5874
EMAIL: sgkcck@aol.com

Introduction

The Electron Microscopy Sciences Low-Intensity UV Lamps provide the proper voltage and current necessary for starting and operating lamps. Each power supply is designed to be maintenance free. Included with your lamp is an internal circuit protection fuse which is designed to prevent main circuit shutdown in the unlikely case of an internal failure. Please note that the connector must be used with the mating connector supplied with the lamp.

Operating instructions

1. Make sure the switch is in the OFF position.
2. Connect the lamp to the connector making sure the connector is completely inserted into its mating part.
3. Plug the unit into proper mains power supply.
4. Turn on the unit – the lamp should immediately light up.
5. Always unplug the unit when disconnecting or connecting the lamp.

Maintenance

Keep the connector clean and free from debris, oil, fluids, etc. If cord should become frayed or cracked they should be replaced immediately. Call Electron Microscopy Sciences for replacement service at 215-412-8400.

If connector arcing should occur due to dirt in the connector or attempting to operate a lamp which operates in excess of 300volts. Do not continue operation. The unit should be returned to the factory for repair.

Warnings

- CAUTION: Power switch must be turned OFF before connecting or disconnecting lamp.
- CAUTION: Turn OFF power supply immediately, if lamp fails or start or shows flickering.
- Never handle the connector when the unit is in the position as hazardous shock condition will exist.
- Do not attempt to operate lamps with operating voltages greater than 300 volts continuously. Starting voltages do not apply.
- If the equipment is used in a manner not specified by Electron Microscopy Sciences. the protection provided by the equipment may be impaired.

*NOTE: Unit may become hot during continuous use.

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If internal circuit protection fuse blows, the unit should be returned to the factory for service. The internal protection fuse is designed to trip if the primary coil short circuits for any reason protecting the user and the circuit it is plugged into. The unit may be cleaned with any mild cleaning agent. Avoid acids and caustic substances although powder coated finish is extremely durable. Do not use solvent cleaners on plastic end caps.

Environmental conditions

- For indoor use only
- Temperature 5 to 40°C
- Maximum on relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C
- Mains supply voltage fluctuations not to exceed +10% of the nominal voltage

- Installation is category II
- Pollution degree is 2