INSPECT.
SERVICE.
PROTECT.

Elevator Smoke Curtain Maintenance Guide and Checklist

Avoid the Hidden Risks of Neglected Elevator Protection

SMOKE GUARD

Importance of Annual Checkups & Maintenance

An annual maintenance program is critical for the long-term reliability and safety of your facility. These systems are designed to prevent smoke from traveling vertically through elevator shafts, supporting safer evacuation paths for building occupants.

Regular inspections help identify worn components like motors, sensors, or batteries before they fail, minimizing the risk of costly emergency repairs or penalties from local fire authorities (AHJ).

Modernization Kit

For older M200 and M400 systems, a Modernization Kit is available to replace traditional motors and controllers with a next-generation design that eliminates common failure points and improves diagnostic tracking.

The Value of Prevention

Annual maintenance isn't just a regulatory requirement; it's a strategy to protect your investment and your occupants.

- **Guaranteed Code Compliance:** Stay ahead of AHJ inspections and avoid costly "failure to maintain" fines.
- **Extended Equipment Lifespan:** Regular lubrication and adjustments prevent premature motor and screen wear.
- **Reliable Smoke Containment:** Ensure the curtain deploys perfectly every time to maintain clear egress paths.
- **Reduced Emergency Costs:** Identify minor component fatigue before it turns into an expensive after-hours repair.

Smoke Curtain Inspection & Service Checklist

1 Visual Inspection

Conduct a thorough visual check of the unit's exterior and the surrounding area for any obstructions that could hinder deployment.

2 Housing & Power Test

Open the housing door and cut power to the unit (via the PCB rocker switch or control box) to verify the door functions correctly during deployment.

3 Deployment Verification

Deploy the screen to ensure it reaches the ground smoothly and at a speed within the NFPA 80 standard (6 to 24 inches per second).

4 Component Review

While the system is deployed, visually inspect all internal components, including the screen material, magnets, cables, pulleys, motor, limit switches, and PCBs.

5 Motor & Retraction Check

Restore power and allow the curtain to retract while listening for any unusual motor noise under load.

6 Functionality Testing

Test auxiliary systems such as the Screen Retract System (SRS), wall-mounted switches, or edge sensors (if equipped) to ensure they trigger immediate and correct responses.

7 Adjustment & Lubrication

Lubricate pulleys, bearings, or door hinges as needed and make minor adjustments to limit switches or screen alignment.

8 Final Reset

Cycle the system one final time after all adjustments are complete to confirm it resets to a "green" or ready status.

9 Site Cleanup

Clean all surfaces, including rails and the housing interior, and vacuum the surrounding area to remove debris.

The Gold Standard in Smoke Protection

Smoke Guard has been a leader in innovative smoke and fire containment for over 25 years. Our systems are designed to integrate seamlessly into your building's aesthetic while providing world-class protection. We don't just sell products; we provide peace of mind through engineering excellence.

Your Local Safety Partners

Our network of certified distributors provides more than just installation. They are factory-trained experts who understand local fire codes and provide the specialized technical support required to keep your Smoke Guard systems in peak condition.

Need Technical Assistance?

Whether you need to schedule your annual inspection, order a Modernization Kit, or request a technical manual, our team is ready to help. Reach out to your local distributor or contact our HQ directly.

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