



### GENERAL DESCRIPTION:

The ESC Magnetic Seal curtain is designed to protect elevator openings and shafts from smoke ingress and migration.

The ESC Magnetic Seal curtain will deploy in the event of a signal from a local smoke detector, from a signal from the fire alarm system or on total power loss to the unit. The system will also supply its own battery backup power for 5 hours if batteries (optional) are connected in the integrated, concealed control unit.

On signal or power loss the integrated UL864 approved releasing device will release the curtain roller and the fabric will safely descend under gravity attaching to the ferretic elevator frame or optional auxiliary rails via integrated magnets and making an approved smoke seal per UL1784.

- Clear fabric curtain with integrated emergency egress on-screen switch
- Magnetic smoke-sealing system that adheres on ferretic elevator frames or auxiliary rails
- From 42" to 100" clear opening sizes designed for all common elevator configurations and manufacturers
- Curtain activated by fire alarm signal, local smoke detector signal or power loss, with battery backup as a standard feature (batteries not included)
- 120AV supply allowing connection to main and standby power
- Gravity fail-safe ensures safe and controlled deployment even under total power loss.
- Automatic, mechanical headbox closing system as standard
- Surface mount or recessed into finish ceiling or soffit with ceiling edge support option
- Powder-coated white as standard



### STANDARDS & CERTIFICATIONS:

The ESC meets and exceeds the requirements of:

- UL 1784 "Standard for Air Leakage Tests of Door Assemblies and Other Opening protectives" by UL 864
- UL 723 "Test for Surface Burning Characteristics of Building Materials" and ASTM (E84)
- ICC-ES Report AC77 - ESR-4888
- CA State Fire Marshal Listing - 3550-2347:0002 & 0003
- OSHPD - OPM-0705

### EGRESS OPTIONS:

Egress can be achieved in two ways:

- Pressing the integrated double sided egress on-screen button that electronically retracts the curtain temporarily. If a fire alarm signal or local smoke detector signal indicates an ongoing alarm the system will redeploy safely.
- By pushing the edge of the curtain temporarily detaching the magnetic strips from the elevator frame or axillary rails.



DIAGRAM

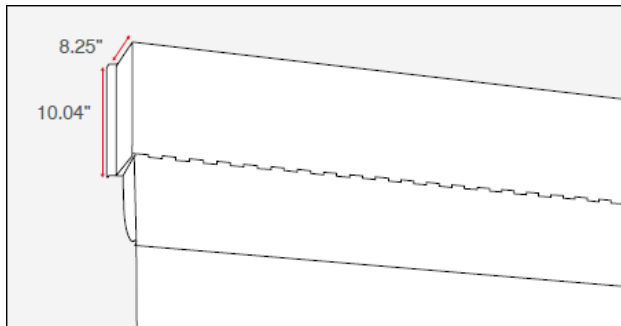


Diagram A

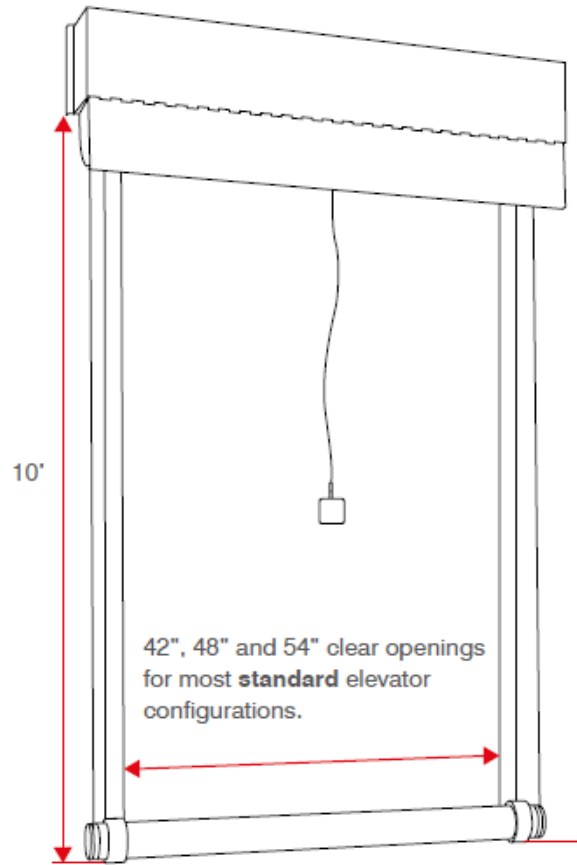


Diagram B



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