

M100 FireGard™ Tube Motors

For Counter Fire Doors with or without Integral Frame and Sill

M100 FireGard Tube Motor Operators are concealed in the Counter Fire Door's shaft assembly making them ideal for openings with tight clearances around the coil area or to neatly conceal the operator and drive components, avoiding the need for bulky covers. Safe and reliable Cornell M100 FireGard Tube Motor Operators automatically close Counter Fire Doors without releasing spring tension or disengaging the operator drive mechanism, providing simple automatic closing system testing and resetting.

Benefits of M100 FireGard Tube Motor Operators:

- Convenience of motor operation in a low profile, concealed design.
- Available for use for full height openings from floor to 9' 0" high.
- Available for use with all Counter Fire Door models including SmokeShield® Counter Fire Doors and Counter Fire Doors with rated countertops or as an integral frame unit.
- Promotes ergonomic operation without sacrificing aesthetics.
- Motor drive chain is not required.
- Auxiliary crank operation standard.

Additional M100 FireGard Closing System Advantages:

- Automatic resetting of the automatic closing system.
- Activation by fire alarm systems, local detectors or power failure.
- Eliminate mechanical spring release and complicated testing / resetting.
- Safe, controlled, automatic closing speed.

Recommended Applications:

- Counter Fire Doors that require convenient motor operation in limited headroom conditions.
- Aesthetic motor operation that eliminates the need for a bulky motor cover.
- Low cycle applications, rated for 10 cycles per day, 4 per hour.

Product Application Requirements:

- Counter Fire Doors up to 14' 0" wide, 9' 0" high or a maximum of 90 square feet.
- Counter Fire Doors with Integral Frame and Sill Assemblies up to 14' 0" wide, 6' 0" high.
- The tube motor requires 115 VAC power.
- Automatic closing system monitoring is controlled by a field mounted 6" x 10" x 5 3/8" control panel that accepts a 24 VDC, 115 VAC or 24 VAC power supply.

Operator Options:

- Control Stations
- Sensing Edge
- Fuselink Switch
- Key Test Station

Counter Fire Door Options:

- Smoke Control Rating
- Rated Countertops
- Integral Frame and Countertop
- Stainless or Tan, Gray or White pre-finished Galvanized Steel
- Locking Mechanism



**Aesthetic, Quiet
Motor Operation**

**Automatic Fire
Protection**

M100 FireGard Tube Motor Operators are protected by US patent #6,155,324

M100 FireGard bracket mounted motor operated units, M100 FireGard Chain and M100 FireGard Crank operated units also available, consult Cornell.

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