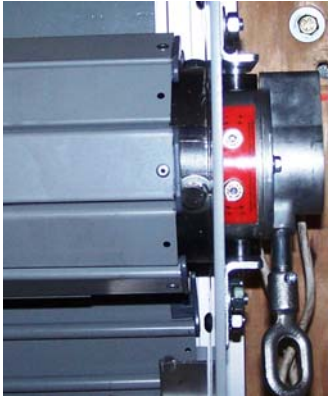
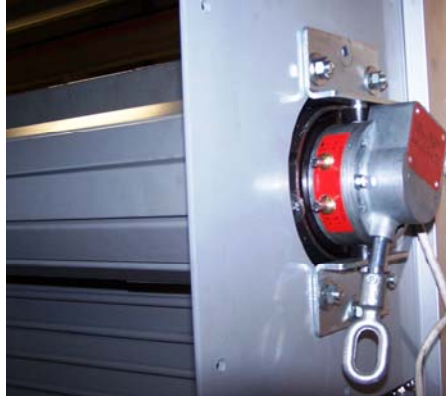


Cornell Tube Motor Operated Shutters



Mechanism – Front View



Mechanism – Side View



Mechanism Cover – Side View

System Advantages

Cornell tube motor operated counter shutters provide a product solution where strict dimensional limitations or aesthetic requirements limit the use of a standard motor operated counter shutter. Size limits are consistent with the current size limitations of counter shutters. Tube motor operated shutters reduce the clearance requirements compared with standard motor operated shutters.

Units are rated for a maximum of 10 cycles per day, 4 per hour. Initial testing allowed for 10 minutes of continuous cycling (10 cycles on maximum size unit) prior to the thermal overload engaging. When the cycle rating is exceeded, the operator must be allowed to cool for approximately 15 minutes in order for the thermal overload to disengage and return the operator to service. The thermal overload engages once the temperature inside the tube motor reaches a certain threshold to protect the internal components. An auxiliary crank will be provided as standard with all units.

Benefits

- Low profile design
- Pre-assembly of shaft assembly to include tube motor operator
- Installation time is further reduced because a drive chain is not required
- Quiet and smooth motor operation
- Auxiliary crank operation standard
- Unique bracket design that allows for removal/replacement of the tube motor without removing the shaft by utilizing the shaft support service bracket (provided that there is sufficient side clearance and FOW mounted)

Product Applications

- Maximum width of 21' 4" – Maximum height of 10' 0" – Maximum of 120 Square Feet
- Consult with factory if larger sizes are required
- Openings that have strict dimensional or aesthetic requirements
- Low cycle applications, rated for 10 cycles per day, 4 per hour

Options

- Majority of standard shutter options available.
- Some electrical options may require the inclusion of a "smart motor controller" which requires field mounting. The "smart motor controller" will be required when sensing edges, interlocks or three-button push-button stations are selected.

CORNELL

SAFE AND SECURE

Crestwood Industrial Park
Mountaintop, PA 18707
TEL 800.233.8366 · FAX 800.526.0841
Engineering Design Services: Ext 551
Website: www.cornelliron.com
Email: ads@cornelliron.com