

# **FFI Actuator & Control Systems**

for windows and skylights

# LN/2 SmartMotion DC chain actuators





Functional Fenestration Inc (FFI) is an expert and leader in the American motorized actuator market, with a broad range of motors for windows, vents, and skylights. FFI has been providing motorized operators for natural ventilation since 1987, for institutional, commercial and residential applications.

### Benefits of motorized actuators

- Automated operation of multiple awning windows, hopper windows, casement windows, curtain wall vents, and skylights.
- Ideal for smart buildings; integrate with building and home automation systems.
- LM/2 actuators are certified for Smoke and Heat Extraction (SHE).
- Natural ventilation enables lower energy consumption, lets in fresh air and daylight, enables LEED credit.
- Low voltage DC motors are energy efficient.

#### Features

- LM/2 series are light-duty operators, with compact casing and low-noise operation.
- Push/Pull Force up to 200 N (44 lb), to operate 120mm 300mm chain versions.
- Opening distance ranges from 120 mm to 500 mm approx., according to version.
- Multiple actuators may be linked for simultaneous operation of multiple windows.
- Actuator has stainless steel chain for rigidity and durability. Chain is off-center in casing.
- Tight vent closure using electronic power cut-off.
- UL Recognized.
- Can be concealed in frame or curtain wall.
- Sash connector/hinge bracket for LM is included with the actuator. Mounting brackets are optional; LM actuators can be mounted direct to frame or sill without mounting bracket kit, depending on the application. See LM Brackets & Accessories DataSheet for optional bracket kits.
- Actuators are available in standard grey, white, or black color.
- UL cable 3 meter included, black color.
- Tested to 10,000 cycles.
- 2-year manufacturer's warranty; requires use according to Installation Guide recommendations.

|                                                                      | 5.5 mm (3/16 in)<br>5 mm (3/16 in)<br>3/16 in) | 4.5 mm<br>187 mm (7-3/8 in)<br>39 mm (1-1/2 in)<br>(1/2 in)<br>(1/2 in)                                        |
|----------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Chain is off-center in case.<br>Mount with chain centered in window. | 40.8 mi<br>(1-5/8 in                           | 10 mm (3/8 in) 114 mm (4-1/2 in)<br>10 mm (3/8 in) 114 mm (4-1/2 in)<br>10 mm (3/8 in) 114 mm (5-1/2 in) 12 mm |
| X = length (tole                                                     | rance +/– 1mm)                                 | (1/2 in)                                                                                                       |
| at stroke                                                            | length                                         | X (length: see chart)                                                                                          |
| at 120 - 350 mm stroke                                               | 360.5 mm (14-3/16 in)                          |                                                                                                                |
| at 400 - 500 mm stroke                                               | 442 mm (17-3/8 in)                             |                                                                                                                |



www.fenestration.net

800-677-0228



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Awning-Outward opening

600mm (23-5/8 in) sash ht 700mm (27-9/16 in) sash ht

750mm (29-1/2 in) sash ht

800mm (31-1/2 in) sash ht

850mm (33-7/16 in) sash ht

950mm (37-3/8 in) sash ht

White

2408892

2408926

2408959

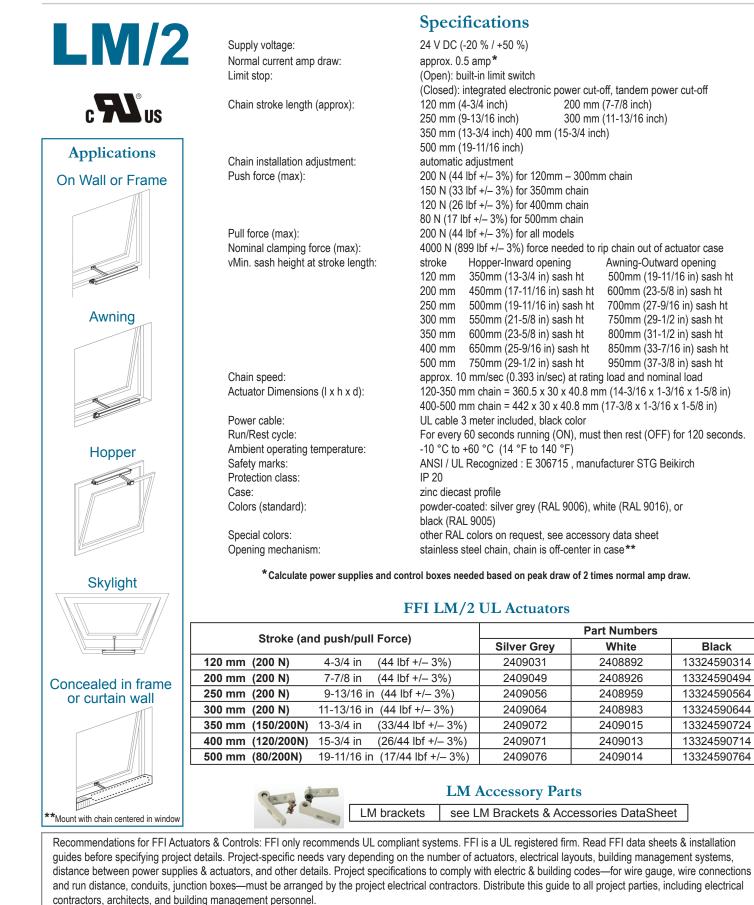
2408983

2409015

2409013

2409014

500mm (19-11/16 in) sash ht





Black

13324590314

13324590494

13324590564

13324590644

13324590724

13324590714

13324590764