Automated Fenestration Inc.
Largest Source for Window Automation in North America

Features

- Nano actuators are for awning windows, hoppers, curtain wall vents and skylights.

- Multiple vents can be wired in parallel, and can be operated by building automation systems.

- Chain operator avilable with 8", 12", 16", 20", 23.6", or 31.5" stroke. Self-adjusting for proper closure at installation.

- Operator has stainless steel, double-link chain for rigidity and durability.

- Examples of 55 lbs operating force: 48" tall/440 lb. vent, 82" tall/752 lb. vent, or a 110 lb. skylight.

- Low-profile, attractive aluminum case; available in Black (RAL 9005), White (RAL 9010) or Silver anodized finish.

- Minimum sash height is 10".

- F-Signal option has opening and closing feedback signal, ask for data sheet.

- Two-year UCS manufacturer's warranty. Requires reading AFI Install Guide before purchase, and confirmation of project and installation specs by licensed electrical contractor.

A small unobtrusive footprint allows the Nano actuator to blend in with existing window frames.

Nano DC

Stroke	Silver	Black	White	Force
200mm	41944ZUL	41945AUL	41946BUL	400N Push, 400N Pull
300mm	41947CUL	41948DUL	41949EUL	400N Push, 400N Pull
400mm	41950FUL	41951GUL	42094TUL	300N Push, 400N Pull
500mm	41953IUL	41954JUL	41955KUL	200N Push, 400N Pull
600mm	41956LUL	41957MUL	41958NUL	100N Push, 400N Pull
800mm	41959OUL	41960PUL	41961QUL	100N Push, 400N Pull

Mounting Brackets (Ordered separately)

Part #	Style	Color
41935Q	Front Bracket Kit	Grey
41936R		Black
41937S		White
41932N	Back Bracket Kit	Grey
41933O		Black
41934P		White
41938T	Side Bracket Kit	Grey
41939U		Black
41940V		White
41941W	Bracket for bottom hinged windows	Grey
41942X		Black
41943Y		White

Automated Fenestration Inc.
Largest Source for Window Automation in North America

Specifications

Supply voltage	24VDC Low Voltage
Nom. Current draw	1.2 A average
Limit stop	(Open): Built in limit switch (Closed) Integrated electronic power cut-off
Chain stroke (approx)	200mm (8"), 300mm (12"), 400mm (16"), 500mm (20"), 600mm (23.6"), 800mm (31.5")
Force (Max)	200mm stroke: 400N Push, 400N Pull 300mm stroke: 400N Push, 400N Pull 400mm stroke: 300N Push, 400N Pull 500mm stroke: 200N Push, 400N Pull 600mm stroke: 100N Push, 400N Pull 800mm stroke: 100N Push, 400N Pull
Chain speed	4-14mm/sec
Dimensions	200mm Stroke: 550 x 35 x 24mm (21⅝" x 1⅜" x 1") 300mm Stroke: 550 x 35 x 24mm (21⅝" x 1⅜" x 1") 400mm Stroke: 600 x 35 x 24mm (23⅝" x 1⅜" x 1") 500mm Stroke: 700 x 35 x 24mm (27⅝" x 1⅜" x 1") 600mm Stroke: 700 x 35 x 24mm (27⅝" x 1⅜" x 1") 800mm Stroke: 900 x 35 x 24mm (35½" x 1⅜" x 1")
Power cable	UL cable 1.5 meter included, black color
Run/Rest cycle	For every 60 sec running (on), must then rest (off) for 120 sec
Ambient Oper Temp	-10°C to +60°C (14°F to 140°F)
Listing	UL Listed
Protection class	IP20
Colors	Silver (Anodized), White (RAL 9010), or Black (RAL 9005)
Opening mechanism	Stainless steel chain

Stroke	A (mm)	L (mm)
200mm	254.5mm	550mm
300mm		
400mm	304.5mm	600mm
500mm	404.5mm	700mm
600mm		
800mm	604.5mm	900mm