

## 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 available with 8", 12", 16", 20", or 23.6" 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	<b>42086LUL</b>	<b>42087MUL</b>	<b>42088NUL</b>	400N Push, 400N Pull
300mm	<b>420890UL</b>	<b>42090PUL</b>	<b>42091QUL</b>	400N Push, 400N Pull
400mm	<b>42092RUL</b>	<b>42093SUL</b>	<b>42094TUL</b>	300N Push, 400N Pull
500mm	<b>42095UUL</b>	<b>42096VUL</b>	<b>42097WUL</b>	200N Push, 400N Pull
600mm	<b>42098XUL</b>	<b>42099YUL</b>	<b>42100ZUL</b>	100N Push, 400N Pull

## Mounting Brackets (Ordered separately)

Part #	Style	Color
<b>41935Q</b>	Front Bracket Kit	Grey
<b>41936R</b>		Black
<b>41937S</b>		White
<b>41932N</b>	Back Bracket Kit	Grey
<b>419330</b>		Black
<b>41934P</b>		White
<b>41938T</b>	Side Bracket Kit	Grey
<b>41939U</b>		Black
<b>41940V</b>		White
<b>41941W</b>	Bracket for bottom hinged windows	Grey
<b>41942X</b>		Black
<b>41943Y</b>		White



## Specifications

<b>Supply voltage</b>	24VDC Low Voltage
<b>Nom. Current draw</b>	1.2 A average
<b>Limit stop</b>	(Open): Built in limit switch (Closed) Integrated electronic power cut-off
<b>Chain stroke (approx)</b>	200mm (8"), 300mm (12"), 400mm (16"), 500mm (20"), 600mm (23.6")
<b>Force (Max)</b>	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
<b>Chain speed</b>	4-14mm/sec
<b>Dimensions</b>	200mm Stroke: 550 x 35 x 24mm (21 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " x 1") 300mm Stroke: 550 x 35 x 24mm (21 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " x 1") 400mm Stroke: 600 x 35 x 24mm (23 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " x 1") 500mm Stroke: 700 x 35 x 24mm (27 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " x 1") 600mm Stroke: 700 x 35 x 24mm (27 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " x 1")
<b>Power cable</b>	UL cable 1.5 meter included, black color
<b>Run/Rest cycle</b>	For every 60 sec running (on), must then rest (off) for 120 sec
<b>Ambient Oper Temp</b>	-10 °C to +60 °C (14 °F to 140 °F)
<b>Listing</b>	UL Listed
<b>Protection class</b>	IP20
<b>Colors</b>	Silver (Anodized), White (RAL 9010), or Black (RAL 9005)
<b>Opening mechanism</b>	Stainless steel chain

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

