AUTOMATED FENESTRATION INC

CDi2 EasyDrive

SmartMotion DC chain Actuator

Benefits

- Ideal for smart buildings; integrate with building and home automation systems.
- CDi2 EasyDrive is certified for Smoke & Heat Extraction (SHE).

Applications

Concealed automated operation of awning windows, hopper windows, casement windows, curtain wall vents, and skylights.

CDi2 Actuator Features

- CDi2 EasyDrive actuators are medium duty operators, with compact casing and low noise operation.
- Push force: Up to 300N (67 lbf)
- Pull force: 300N (67 lbf)
- Actuator has stainless steel chain for rigidity and durability; Chain is off-center in casing.
- Can be concealed in frame or curtain wall
- Integrated cycle counter automatically keeps count of open-closed cycles during life of actuator
- Actuators available in Black color
- Prewired with 3.1 meter cable
- Tested to 10,000 cycles

Pre-Programmed EasyDrive Features

Using one communication line, EasyDrive can program up to 8 single actuators on separate vents or syncronize multiple actuators on one vent.

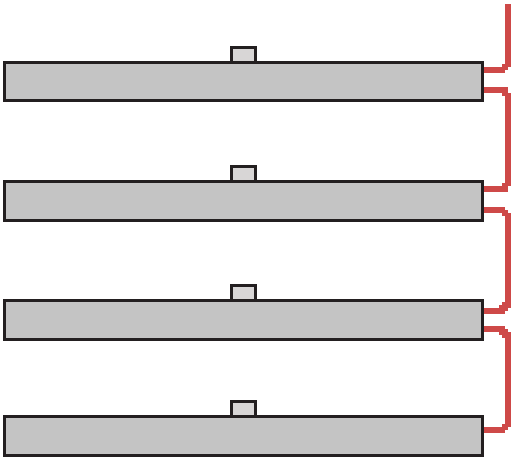
Programming must be specified at order

Chain stroke	From 21mm up to 800mm (varies by model).
Speed adjustment	Programmable from 10mm/sec down to 4mm/sec for quiet operation.
Speed reduction	For the last seconds of closing, as a safety precaution.
Seal relief adjustment	Between 0-20mm to protect sash at closed position.
Feedback Signal	OPEN or CLOSE can be selected

CDi2 EasyDrive

Part #	Color	Stroke	Force (Push/Pull)
13336024500	Black	Up to 500mm	300N/300N
13336024600	Black	Up to 600mm	300N/300N
13336024800	Black	Up to 800mm	300N/300N

Tandem Capability

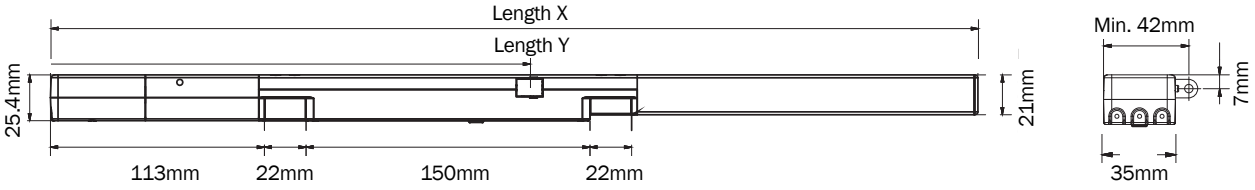


Specifications

Supply voltage	24VDC (-15% / +50%)
Nom. Current draw	Approx 0.9A at 300N load
Limit stop	(Open): Built in limit switch (Closed) Integrated electronic power cut-off
Chain stroke (approx)	21 to 500mm (13/16" to 19¾"), adjustable 21 to 600mm (13/16" to 23⅝"), adjustable 21 to 800mm (13/16" to 31½"), adjustable
Chain adjustment	Automatic adjustment
Push force (Max)	Up to 300N (67 lbf +/- 3%), adjustable
Pull force (Max)	300N (67 lbf +/- 3%), adjustable
Clamping force (Max)	3000N (899 lbf +/- 3%) force needed to rip chain out of actuator case
Chain speed	4-15mm/sec
Dimensions	21-511mm stroke = 820 x 40 x 40mm (32 5/16" x 1⅝" x 1⅝") 21-603mm stroke = 1011 x 40 x 40mm (39 13/16" x 1⅝" x 1⅝") 21-810mm stroke = 1011 x 40 x 40mm (39 13/16" x 1⅝" x 1⅝")
Power cable	3.1 meter cable 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	UR Recognized
Protection class	IP20
Case	Aluminum
Opening mechanism	Stainless steel chain, chain is off-centered in case

Dimensions

500mm stroke	**600mm stroke**	**800mm stroke**
Length X = 590mm	Length X = 640mm	Length X = 740mm
Length Y = 253mm	Length Y = 253mm	Length Y = 253mm



Discuss with AFI Sales & Support for your specific project/profile.