

## Benefits

- Ideal for smart buildings; integrate with building and home automation systems.
- LM2 EasyDrive is certified for Smoke & Heat Extraction (SHE).

## Applications

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

## LM2 Actuator Features

- LM2 EasyDrive actuators are light duty operators, with compact casing and low noise operation.
- Push force: Up to 150N (34 lbf)
- Pull force: 200N (44 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 Grey, White or other RAL colors
- 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 synchronize multiple actuators on one vent.

### Programming must be specified at order

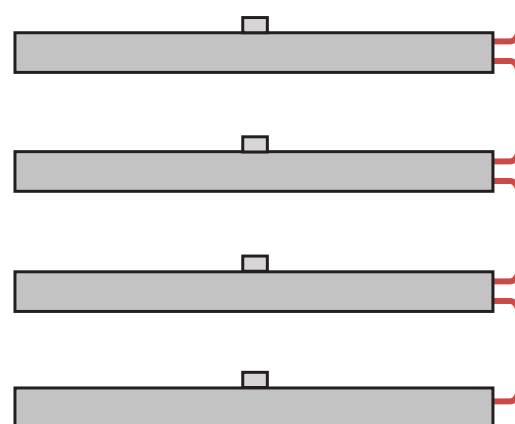
<b>Chain stroke</b>	From 21mm up to 500mm (varies by model).
<b>Speed adjustment</b>	Programmable from 10mm/sec down to 4mm/sec for quiet operation.
<b>Speed reduction</b>	For the last seconds of closing, as a safety precaution.
<b>Seal relief adjustment</b>	Between 0-20mm to protect sash at closed position.
<b>Feedback Signal</b>	OPEN or CLOSE can be selected

## LM2 EasyDrive

Part #	Color	Stroke	Force (Push/Pull)
<b>13330024351</b>	Silver Grey	Up to 350mm	150N/200N
<b>13330024352</b>	White	Up to 350mm	150N/200N
<b>13330024353</b>	Black or other	Up to 350mm	150N/200N
<b>13330024501</b>	Silver Grey	Up to 500mm	80N/200N
<b>13330024502</b>	White	Up to 500mm	80N/200N
<b>13330024503</b>	Black or other	Up to 500mm	80N/200N

## Tandem Capability

### Must be specified at order



## Specifications

<b>Supply voltage</b>	24VDC (-15% / +50%)
<b>Nom. Current draw</b>	Approx 0.7A at 200N load
<b>Limit stop</b>	(Open): Built in limit switch (Closed) Integrated electronic power cut-off
<b>Chain stroke (approx)</b>	20 to 350mm ( $13\frac{1}{16}$ " to $13\frac{13}{16}$ " ), adjustable 20 to 500mm ( $13\frac{1}{16}$ " to $19\frac{11}{16}$ " ), adjustable
<b>Chain adjustment</b>	Automatic adjustment
<b>Push force (Max)</b>	Up to 150N (34 lbf +/- 3%), adjustable
<b>Pull force (Max)</b>	200N (45 lbf +/- 3%), adjustable
<b>Clamping force (Max)</b>	3000N (674 lbf +/- 3%) force needed to rip chain out of actuator case
<b>Chain speed</b>	4-10mm/sec
<b>Dimensions</b>	20-350mm stroke = 360.5 x 30 x 40.8mm ( $14\frac{3}{16}$ " x $1\frac{3}{16}$ " x $1\frac{5}{8}$ " ) 20-500mm stroke = 442 x 30 x 40.8mm ( $17\frac{7}{16}$ " x $1\frac{3}{16}$ " x $1\frac{5}{8}$ " )
<b>Power cable</b>	3.1 meter cable 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>	UR Recognized
<b>Protection class</b>	IP20
<b>Case</b>	Aluminum
<b>Colors</b>	Powder-coated: Silver Grey (RAL 9006), White (RAL 9016)
<b>Special colors</b>	Black (RAL 9005) and other RAL colors on request, see accessory data sheet.
<b>Opening mechanism</b>	Stainless steel chain, chain is off-center in case

## Optional Accessories - Mounting Brackets

Part #	Description	Paint Color <sup>1</sup>
<b>2600443</b>	Movable actuator	Grey RAL 9006
<b>13382600443</b>	installation for top-hung, bottom-hung and side-hung windows.	Other RAL
<b>2600435</b>		White RAL 9016
<b>2600351</b>	Frame angle bracket for flush mounted frame	Grey RAL 9006
<b>13202600353</b>	fitting.	Other RAL
<b>2600344</b>		White RAL 9016
<b>2600385</b>	Frame angle bracket for frame fitting with 10mm ( $\frac{3}{8}$ " ) projection.	Grey RAL 9006
<b>13322600383</b>		Other RAL
<b>2600377</b>		White RAL 9016
<b>2600419</b>	Frame angle bracket for frame fitting with 15mm ( $\frac{5}{8}$ " ) projection.	Grey RAL 9006
<b>13202600413</b>		Other RAL
<b>2600401</b>		White RAL 9016

## Dimensions

<b>350mm stroke</b>	<b>500mm stroke</b>
Length X = 360.5mm	Length X = 442mm
Length Y = 114mm	Length Y = 114mm

