

VECTOR

12 VDC Swing Gate Operator



STANDARD FEATURES

- * **ELECTRONIC LIMITS** Its electronic internal limit system guarantees very reliable operation and precise control of the movement of the gate.
- * **FULL SPEED CONTROL** The VECTOR speed control allows the gate to start and stop with a smooth action.
- * **BATTERY BACK-UP** Allows operation of gates during power failure.
- * **ANTI-CRUSHING CONTROL** The VECTOR controller accurately monitors any obstructions to the gate to ensure safe protection against crushing.
- * **CENTRIFUGAL BRAKE** The centrifugal brake developed for the VECTOR ensures secure locking of the operator when the gate is both open and closed.



The VECTOR controller combined with its (LCD) display provides a very easy to use menu-system for programming.

Offering an extensive range of useful features the controller has the ability to adapt the system to suit the requirements of almost every user.

A fully sealed plastic housing for the controller prevents ingress of dirt & insects.

The controller has automatic closing with adjustable time delay and push button over ride, status indication that shows gate position, low battery and collision detection.

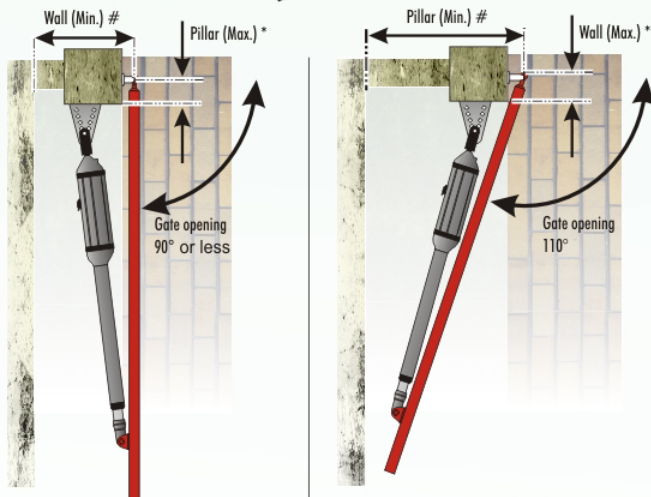
Maximum Gate Weight

Gate Swing Angle	Up to 1.5m		Up to 2m		Up to 2.5m		Up to 3m (#1)		Up to 3.5m (#1)		Up to 4m (#1)	
	V400	V500	V400	V500	V400	V500	V400	V500	V400	V500	V400	V500
90°	500kg	750kg	500kg	750kg	500kg	750kg	360kg	550kg	260kg	410kg	200kg	310kg
100°	500kg	750kg	500kg	750kg	388kg	600kg	160kg	420kg	190kg	310kg	150kg	230kg
110°	500kg	750kg	306kg	500kg	198kg	320kg	130kg	220kg				
120°	180kg	310kg	100kg	170kg	65kg	110kg						

(#1 - an electronic lock must be fitted to secure gate closed position.)

Specifications	V400	V500
Power configurations	7Ah, 12v, CP84sm (Light Industrial)	7Ah, 12v, CP84e (Domestic)
Nominal Input Voltage	12 v dc	
DC Current Draw (Max)	15 A	
Extension / Retraction (no load)	27mm / sec	
Max. Output Force	3000N (300kgf)	
Max. Operations (Day)	200	100
Max. Number of Continuous Operations	Unlimited	
Typical Gate Opening / Closing Time	V400: <14 Sec V500: <17 Sec	
Operating Temp. Range	-20°C to + 60°C	
Housing Protection	IP55	
Mass of Operator	V400 - 5.5kg / V500 - 5.9kg	

MINIMUM INSTALLATION REQUIREMENTS



Gates Opening 110° or Less

Operator	Wall (Min.) #	Pillar (Max) *
V400	150mm	145mm
V500	150mm	210mm

Gates Opening 90° or Less

Operator	Wall (Min.) #	Pillar (Max) *
V400	150mm	250mm
V500	150mm	335mm

The typical minimum wall clearance required to fit the operator

* The maximum allowable pillar thickness on which to fit the operator

(Tables are based on gates shorter than 2.5m
For gates 2.5-3m long, reduce the pillar thickness by 20mm.
For gates 3-3.5m long, reduce the pillar thickness by 40mm.
For gates 3.5-4m long, reduce the pillar thickness by 60mm.)

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- * Sliding Gate Operators
- * Safety Systems
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