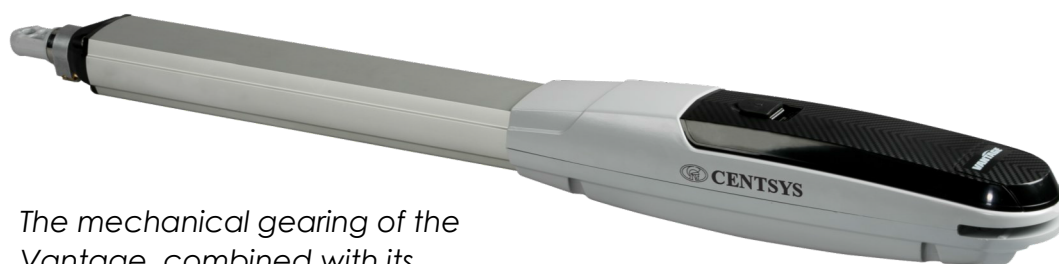


# Vantage Swing Gate Operator

12vdc swing gate motor for domestic and industrial gates



Controller

*The mechanical gearing of the Vantage, combined with its leading-edge controls and inbuilt electronic limits system maintains precise control of the opening and closing of the gate for greater convenience and security.*

**Fast opening:** The Vantage is able to open at high speed and close at a slower speed which ensures fast access but reduces the chance of accidents when the gate is closing. The V-Series electronics, with 'Quadro-Drive' speed control, maintains smooth and quiet operation of the gate. This state-of-the-art control reduces the operating stresses and extends the life of both the operator and the gate.

**Safe battery backup:** With only a low-voltage battery supply powering the Vantage operator, the system is totally safe from risks such as electrocution, and has the added benefit of providing power-failure protection.

**Revolutionary brake:** The revolutionary centrifugal brake developed for the V-Series range of swing gate motors ensures positive locking of the operator when the gate is both open and closed.

**Solar power** The Vantage operators with battery back up are ideally suited for use with solar panels, they do not require any modification to work with solar panels.

**Sensitive anti-crushing control:** The V-Series controller accurately monitors any obstructions to the the gate and ensures ultra-safe operation against crushing providing peace of mind.

**Easy to use:** The V-Series controller, combined with its liquid Crystal Display (LCD), provides a very intuitive and easy to use menu system for setting up the end-of-travel limits and all features available on the system. Offering an extensive range of useful features, the controller is exceptionally versatile and has the ability to adapt the system to suit the requirements of almost every user.

## V-Series Controller features include:

Advanced Positive Close Mode ensuring the gate remains closed in a secure, rigid position

Pedestrian Opening (adjustable opening and Autoclose time)

Remote Gate Status Indicator (gate position, power failure, low battery, multiple collision detection and Pillar Light status indication)

Courtesy / Pillar Light Timer with adjustable time

Fully configurable pre-delays with multiple pre-flash modes

Opening and closing safety beam inputs with beam circuit monitoring

Advanced solenoid or magnetic gate-lock release pulse

Supports inward and outward opening swing gates without the need for mechanical endstops.

## Technical Specifications

Specifications	Vantage 400	Vantage 500
Input voltage	240V $\pm$ 10%, 50Hz	
Motor power supply	Battery-driven (standard capacity - 7Ah)	
Operator push force	Maximum 220kgf	
Typical gate opening time	<14.3 sec	<17.8 sec
Manual override	Key release	
Number of operations per day	Maximum 250	
Operations in standby with 7Ah battery	Half Day - 70 Full Day - 58	
Receiver code storage capacity	64 transmitter buttons	
Limit Type	Electronic Limits	

## Minimum Installation Requirements

Gate opening 90° or less			Gate opening 110°		
Operator	Wall (Min) <sup>1</sup>	Pillar (Max) <sup>2</sup>	Operator	Wall (Min) <sup>1</sup>	Pillar (Max) <sup>2</sup>
VANTAGE 400	200mm	175mm	VANTAGE 400	200mm	145mm
VANTAGE 500	200mm	245mm	VANTAGE 500	200mm	230mm

<sup>1</sup> The typical minimum wall clearance required to fit the operator

<sup>2</sup> The maximum allowable pillar thickness on which to fit the operator

## Installation Information

### Allowable Gate Mass:

#### Maximum Allowable Gate Mass for VANTAGE 400 Operator

Gate swing angle	Up to 1.5m	Up to 2m	Up to 2.5m	Up to 3m <sup>1</sup>	Up to 3.5m <sup>1</sup>	Up to 4m <sup>1</sup>
90°	500kg	500kg	500kg	360kg	260kg	200kg
100°	500kg	500kg	388kg	160kg	190kg	150kg
110°	500kg	306kg	198kg	130kg		
120°	180kg	100kg	65kg			

1. An electric lock must be fitted to secure gate in closed position

#### Maximum Allowable Gate Mass for VANTAGE 500 Operator

Gate swing angle	Up to 1.5m	Up to 2m	Up to 2.5m	Up to 3m <sup>1</sup>	Up to 3.5m <sup>1</sup>	Up to 4m <sup>1</sup>
90°	750kg	750kg	750kg	550kg	410kg	310kg
100°	750kg	750kg	600kg	420kg	310kg	230kg
110°	750kg	500kg	320kg	220kg		
120°	310kg	170kg	110kg			

1. An electric lock must be fitted to secure gate in closed position

## Dimensions

