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**VANTAGE
SMART**

**LINEAR SWING
GATE OPERATORS**

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SMART ACCESS TO HOMES
AND RESIDENTIAL SETTINGS

Stylish, Strong, and SMART

Versatile. Virtuoso. Visionary – the **VANTAGE SMART** is here to revolutionise swing gate automation. This range's sleek and sturdy design adds an attractive streamlined look to your property. With quick and easy commissioning using an intuitive mobile app, setup and configuration are a breeze for installers. The **VANTAGE SMART** offers a wide range of innovative features, putting you in control of your gate's functionality like never before.

Powered by award-winning technology

For a swing gate motor that outSMARTs the rest, the **VANTAGE SMART** lets you experience the perfect blend of style and substance, with effortless control and intelligent automation at your fingertips. With a vast spectrum of cutting-edge features and an abundance of customising options – from safety to security and functionality to flexibility – the **VANTAGE SMART** is a complete gate access package.

Making lives easier for installers

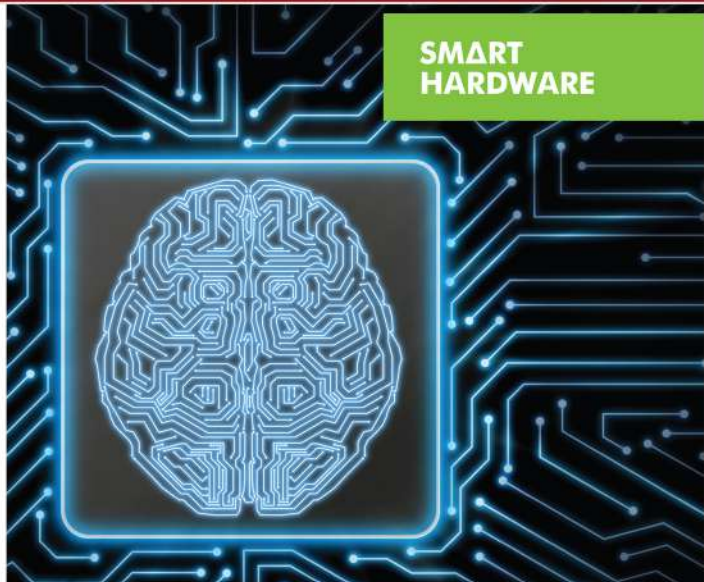
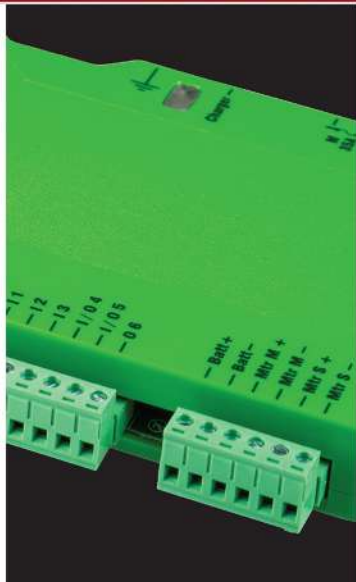
The **VANTAGE SMART**'s trailblazing technology gives your installer the edge to give you the ultimate in gate control sophistication, streamlining commissioning through an intuitive and user-friendly mobile app interface.

The app also gives your installer quick, easy access to diagnostics and system health, ensuring that your gate always delivers the highest level of performance and reliability.

In addition, with intelligent management of remote access, your installer can program your remotes to your exact specifications so that you're always at the helm of your gate's functionality.

Heavy-duty security

With its tough die-cast aluminium armour and powerful piston-driven operation, nothing packs more of a knockout punch than **VANTAGE SMART** range of swing gate operators. In addition, the **VANTAGE SMART**'s fully-sealed construction with custom-moulded seals ensures that it's as good at shrugging off the elements as it is at keeping criminals out. Beef up security! Fit a **VANTAGE SMART** operator.



SMART HARDWARE

A marriage of simplicity and sophistication

With the **VANTAGE SMART**, you have full command over your gate, giving you outstanding convenience and simplifying your life. But the **VANTAGE SMART** is also the latest breakthrough in swing gate automation technology, so there's an all-encompassing range of features so that you can configure your gate to match your needs, from its operating speed to its sensitivity. Just imagine the possibilities.

Low-profile in-line design

The **VANTAGE SMART** operators have a low-profile design with in-line construction of the motor, gearbox and actuating piston. This enhances the aesthetic appearance of the operator allowing it to blend in as unobtrusively as possible with the design of the gate.

Easy to install

The fully integrated linear action operator with no complicated linkages makes the installation of the system very quick and easy. Added to this, the internal position control mechanism simplifies the installation even further, as the gates no longer require end-of-travel endstops.

High push force

The high-torque DC motor operating through an efficient planetary gearbox, delivers a potent 220kg push force. The **VANTAGE SMART** range is capable of reliably operating swing gates in the majority of domestic and light-industrial applications.

Revolutionary braking system

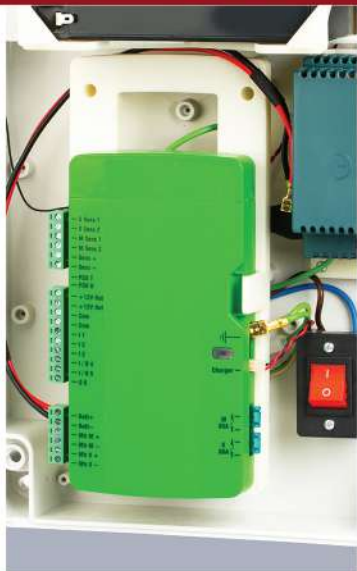
The revolutionary centrifugal brake developed for the **VANTAGE SMART** swing gate motors ensures secure locking of the operator when the gate is both open and closed, so you have complete peace of mind at all times.

Internal limits

The **VANTAGE SMART**'s advanced internal limit system guarantees very reliable operation and precise control of the movement of the gate.

Sensitive obstruction detection

The **VANTAGE SMART**'s intelligent controller accurately monitors any obstructions to the movement of the gate and ensures ultra-safe operation.



SMART ADVANCED DIAGNOSTICS



Complete speed control

The **VANTAGE SMART**'s electronics, with 'Quadra-Drive' speed control, maintains smooth and quiet starting and stopping of the gate regardless of its condition and ambient temperatures, even after many years of service. This state-of-the-art control reduces the operating stresses and extends the life of both the operator and the gate.

Swift operation

The mechanical gearing of the **VANTAGE SMART**, combined with its leading-edge speed system, maintains rapid and precisely-controlled opening and closing of the gate for greater convenience and security.

A new way to control your gate

Operate wirelessly with CENTURION and **SMART**.

The deftly-designed and expertly-configured MyCentsys Remote mobile app works seamlessly with your **VANTAGE SMART** operator and puts gate access within reach at all times. Store your preferences and navigate your gate's operation with ease, enjoying more flexibility and convenience than offered by physical remote access devices.

All-weather construction

All external components of the operator are manufactured from a combination of stainless steel, epoxy-coated coastal-grade aluminium and UV-stabilised engineering polymers. This guarantees a robust and durable unit in both inland and coastal environments.

Time-proven battery-driven technology

Equipped with advanced battery-driven technology, the **VANTAGE SMART** swing gate operator ensures continuous operation during power outages, making it a reliable and secure solution for gate automation. This innovative technology provides uninterrupted performance and guarantees that you're always in control of your gate's functionality, even in the event of a power outage. With **VANTAGE SMART**, you can rest assured that your gate will remain operational and secure at all times.

Anti-fatigue cable harness

Every aspect of the **VANTAGE SMART** has been designed to work hard, and its anti-fatigue cable with over-moulded strain relief makes for excellent reliability and maximum mileage.

ACCESSORIES



SMARTGUARD or SMARTGUARDair keypads
Cost-effective and versatile wired and wireless keypad, allowing access to pedestrians



CENTURION Photon SMART Infrared beams
Wireless infrared beams. Always recommended on any automated installation



Pedestrian keyswitch
Basic key-operated switch for allowing access for pedestrians



POLOphone intercom
Allows visitors to communicate with people inside in order to gain access to the property



FLUX SA loop detector
Allows free-exit of vehicles from the property - requires ground loop to be fitted



WiZo-Link module
Wireless input-output module using mesh network technology creating fully-wireless connections between devices



CENTURION transmitters
Available in one-, two-, and four-button variants. Incorporates code-hopping encryption



Gooseneck
Steel pole for mounting intercom gate station or access control reader



Controller wallbox
A fully weatherproof wall-mounted enclosure for the operator's controller electronics



Solar supply
Alternative means of powering the system - consult your CENTURION dealer



G-ULTRA GSM device
The ultimate new GSM solution for monitoring and activating the operator via your mobile phone



Wireless intercom systems
Answer your intercom and open your gate from anywhere for maximum security and convenience

THE Vx SMART WALL BOX

The Vx SMART Wall Box, supplied standard with all V-Series kits, is constructed out of tough, UV-resistant, fade-resistant ABS plastic, providing strength and long-term durability. The high IP65 rating (ingress protection) will assure you that just about nothing will get in.

Its contemporary design complements the unobtrusive design of the V-Series operator and enhances the aesthetics of any installation.

Wall box cover



Wall box interior

V-SERIES SMART application



150mm



Profile

260mm

345mm

1a



Zoomed in: cover

1b



Zoomed in: profile

2



Zoomed in: interior

- 1a** Weatherproof design to prevent ingress of water, dust and insects. Includes the built-in rubber seal on underside of lid
- 1b** Exterior lip to ensure water stays out, even during the removal of the cover
- 1c** Screw-down points for cover and mounting slots located outside of the general housing to ensure complete sealing of the unit
- 2** Slotted, diagonal mounting slots add mounting flexibility
- 3** Low level housing wall provides easy access to terminal points
- 4** Five knock-outs for easy, and multiple, cable entry
- 5** Gas breathing point allows any potential build-up of gas to escape, whilst still preventing the ingress of dust, water and ants
- 6** Built-in isolator to conform with legal requirements
- 7** Built-in earth point
- 8** Strip-proof, ultra-strong polycarbonate screws enclosed in screw-retaining slots

TECHNICAL SPECIFICATIONS

	VANTAGE 400 SMART	VANTAGE 500 SMART
Input voltage	90V - 240V AC \pm 10%, 50/60Hz	
Motor voltage	12V DC	
Motor power supply	Battery-driven (standard capacity - 7.2Ah) ¹	
Battery charger ²	1.8A @ 13.8V	
Current consumption (mains)	170mA	
Current consumption (motor at rated load)	15A - Maximum	
Operator push force - maximum	250kgf	
Operator stroke	400mm	500mm
Piston extension / retraction speed	28mm/sec (variable)	
Typical gate opening time ³	14.3 sec	17.8sec
Manual override	Key release ⁴	
Maximum number of operations per day	250	
Duty cycle - Mains present ^{5,6}	50%	
Operations in standby with 7.2Ah battery⁷		
Half day	70 cycles	
Full day	58 cycles	
Collision sensing	Electronic	
Operating temperature range	-15°C to +50°C	
Degree of protection	IP55	
Controller incorporated	Vx SMART in separate wallbox	
Onboard receiver type	NOVA code-hopping onboard multichannel	
Receiver frequency	433.92MHz	
Receiver code storage capacity	60 transmitter buttons	
Mass of unit packed		
Single kit ⁸	8.5kg	9kg
Double kit ⁹	14kg	15kg
Packaging dimensions		
Single kit	Length: 1125mm Width: 335mm Height: 270mm ¹⁰	

- Can increase battery capacity for longer standby times
- Can operate off a solar supply, consult your reseller for assistance
- Assumes a full stroke of operator is used
- Each operator comes with a unique set of keys
- Based on 25°C ambient temperature and unit not in direct sunlight
- Based on an operator push force of less than 50% of rated
- Based on double kit excluding Infrared Safety Beams
- Single kit contains one operator and Wall Box
- Double kit contains two operators and one Wall Box
- Double kit contains two boxes with a height of 270mm each

INSTALLATION INFORMATION

Allowable Gate Mass:

Maximum Allowable Gate Mass for VANTAGE SMART 400 Operator

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
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 SMART Operator

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
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

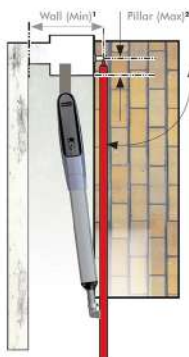
Wind Loading

Operator	Gate 2.5m wide x 1.8,m high with 25% coverage		Gate 2.5m wide x 1.8,m high with 100% coverage	
	Basic geometry ¹	Best geometry ²	Basic geometry ¹	Best geometry ²
VANTAGE 400 SMART	48km/h	76km/h	24km/h	38km/h
VANTAGE 500 SMART	58km/h	79km/h	30km/h	49km/h

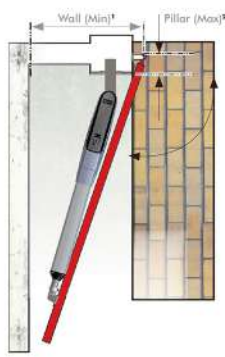
2. The installed position of the operator determines the mechanical advantage that the operator has on the gate. See installation manual for more details

MINIMUM INSTALLATION REQUIREMENTS

Gate opening 90° or less



Gate opening 110°



Operator	Wall (Min) ¹	Pillar (Max) ²
VANTAGE 400 SMART	200mm	175mm
VANTAGE 500 SMART	200mm	245mm

Operator	Wall (Min) ¹	Pillar (Max) ²
VANTAGE 400 SMART	200mm	145mm
VANTAGE 500 SMART	200mm	230mm

- The typical minimum wall clearance required to fit the operator
- The maximum allowable pillar thickness on which to fit the operator

OVERALL DIMENSIONS

