

**VANTAGE
SMART**

LINEAR SWING GATE OPERATORS

Stylish, Strong and SMART.



A BRAND OF
FAAC TECHNOLOGIES





SMART ACCESS TO HOMES AND RESIDENTIAL SETTINGS

Stylish, Strong, and SMART

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. While quick and easy commissioning using an intuitive mobile app, make setup and commissioning 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

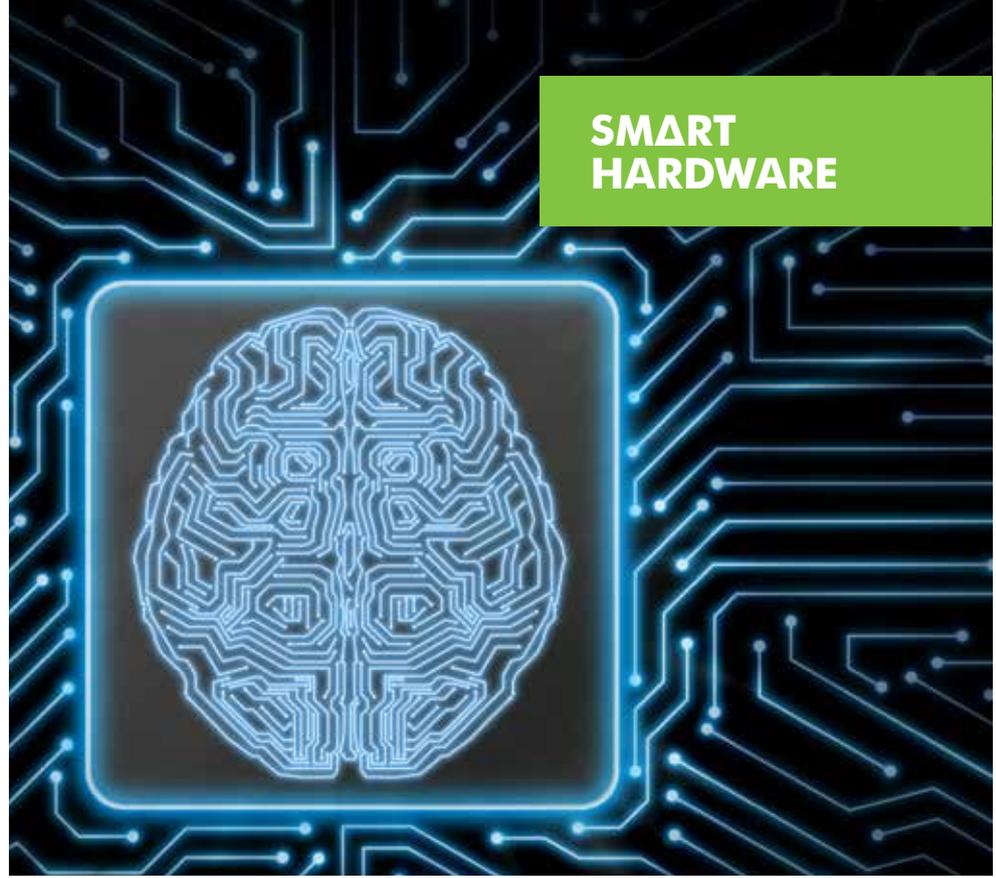
The **VANTAGE SMART**'s trailblazing technology gives your installer the edge to give you the ultimate in gate control sophistication, streamlining commissioning through an intuitive and user-friendly mobile app interface.

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 reliability

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 an expert of shrugging off the elements and delivering lasting peace of mind.



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 250kg 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

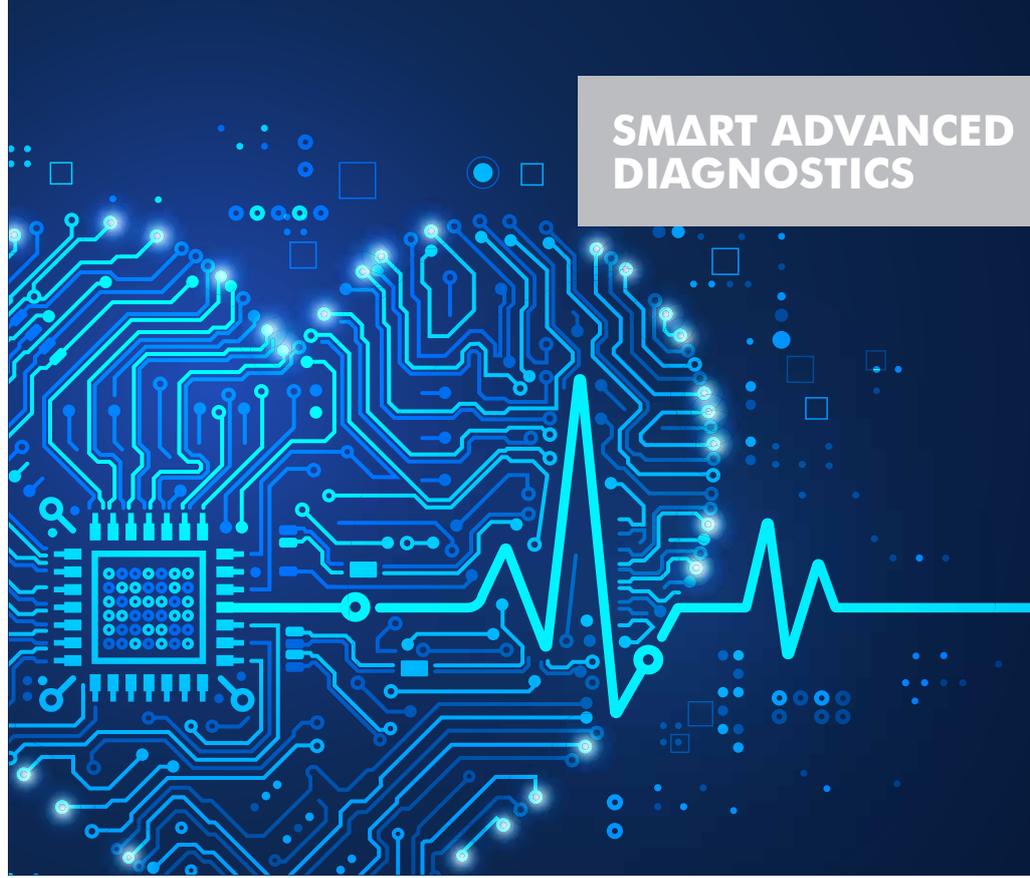
The **VANTAGE SMART**'s advanced internal limit system guarantees very reliable operation and precise control of the movement of the gate.

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. Fully-compatible with Apple CarPlay and Android Auto, delivering an intuitive and familiar interface to control your **SMART**-powered gate.

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 Keypad

Cost-effective and versatile wired and wireless keypad, allowing access to users with a customised code

Photon SMART Safety Beams

Fully-wireless infrared beams. Always recommended on any SMART automated installation code

Pedestrian keyswitch

Basic key-operated switch for allowing access for pedestrians



Intercom Handset

Allows visitors to communicate with people inside in order to gain access to the property (not shown in diagram)

FLUX SA Loop Detector

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

Gate Stations

Communication hub for the G-SPEAK ULTRA GSM intercom - available in both durable plastic and stylish and strong metal enclosures



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 Solution

Alternative means of powering the system - consult your CENTURION dealer

G-ULTRA

The ultimate GSM solution for monitoring and activating the operator via your mobile phone

G-SPEAK ULTRA

Answer your intercom from anywhere for maximum security and convenience - powered by 4G technology



12V-24V SMART Siren

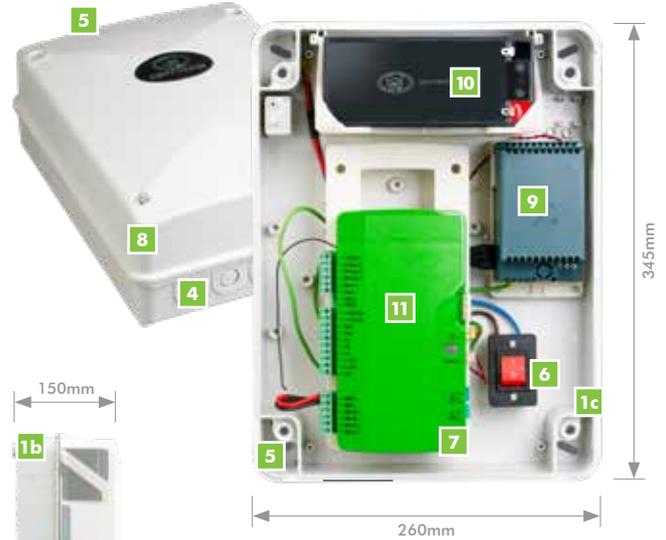
A top-notch security companion, designed to seamlessly integrate with your existing SMART gate and garage door operators (not shown in diagram)

THE Vx SMART WALL BOX

The Vx SMART Wall Box, supplied standard with all VANTAGE SMART 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 VANTAGE SMART operator and enhances the aesthetics of any installation.

Wall box cover

Wall box interior VANTAGE SMART application



- 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.
- 9** Battery Charger¹
(Power input options*: Mains 90V - 240V AC or Low-voltage 16V AC).
- 10** CENTURION High Quality Battery.
- 11** Vx SMART Controller.

1. A Solar-powered Wallbox with a prewired Solar Regulator is also available.

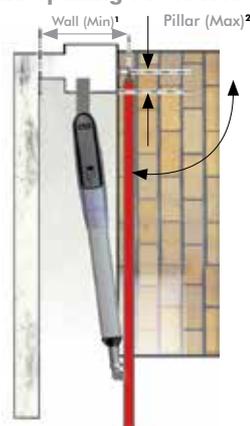
TECHNICAL SPECIFICATIONS

| | VANTAGE 300 SMART | VANTAGE 400 SMART | VANTAGE 500 SMART |
|---|---|-------------------|-------------------|
| Input voltage | 90V - 240V AC ±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 | 300mm | 400mm | 500mm |
| Piston extension / retraction speed | 28mm/sec (variable) | | |
| Typical gate opening time ³ | 11.3 sec | 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 | 1500 Remotes ⁸ | | |
| Mass of unit packed | | | |
| Single kit ⁹ | 8kg | 8.5kg | 9kg |
| Double kit ¹⁰ | 13kg | 14kg | 15kg |
| Packaging dimensions | | | |
| Single kit | Length: 1125mm Width: 335mm Height: 270mm ¹¹ | | |

- 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 with no wind present.
- 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.
- Multiple buttons per remote can be used.
- 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.

MINIMUM INSTALLATION REQUIREMENTS

Gate opening 90° or less



| Operator | Wall (Min) ¹ | Pillar (Max) ² |
|-------------------|-------------------------|---------------------------|
| VANTAGE 300 SMART | 200mm | 90mm |
| VANTAGE 400 SMART | 200mm | 165mm |
| VANTAGE 500 SMART | 200mm | 245mm |

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

1408.D.02.0001_11062024

Call 0860-CENTURION (0860 236 887) to order or to find out more
WhatsApp Technical Support Line: +27 (0)83 650 4010 (Monday - Friday: 08h00 - 16h30, Saturday 08h00 - 14h00)
E&OE. Centurion Systems (Pty) Ltd reserves the right to change any product without prior notice

INSTALLATION INFORMATION

Allowable Gate Mass:

Maximum Allowable Gate Mass for VANTAGE 300 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° | 350kg | 350kg | 335kg | 230kg | N/A | N/A |
| 100° | 350kg | 350kg | 335kg | 230kg | N/A | N/A |

- For gate leaves in excess of 2.5m, an electric lock must be fitted to secure gate in closed position.

Maximum Allowable Gate Mass for VANTAGE 400 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° | 500kg | 500kg | 500kg | 360kg | 260kg | 200kg |
| 100° | 500kg | 500kg | 388kg | 160kg | 190kg | 150kg |
| 110° | 500kg | 306kg | 198kg | 130kg | | |
| 120° | 180kg | 100kg | 65kg | | | |

- For gate leaves in excess of 2.5m, 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 | | | |

- For gate leaves in excess of 2.5m, an electric lock must be fitted to secure gate in closed position.

Wind Loading

VANTAGE 300 SMART MAXIMUM OPENING SPEED

| Gate length | 1.5m | 2m | 2.5m | 3m | 3.5m | 4m |
|--|------|------|------|------|------|-----|
| Gate height | 1.8m | 1.8m | 1.8m | 1.8m | N/A | N/A |
| Allowable wind speed 25% clad(km/h) ¹ | 105 | 78 | 62 | 52 | N/A | N/A |
| Allowable wind speed 100% clad (km/h) ¹ | 52 | 39 | 31 | 26 | N/A | N/A |

VANTAGE 400 SMART MAXIMUM OPENING SPEED

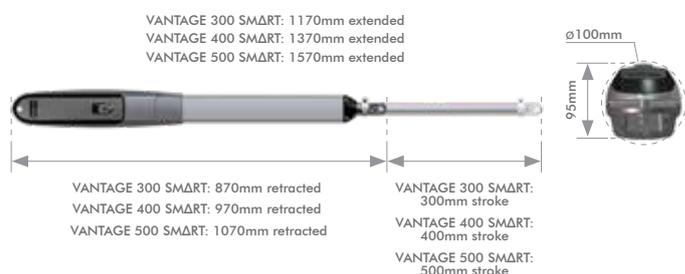
| Gate length | 1.5m | 2m | 2.5m | 3m | 3.5m | 4m |
|--|------|------|------|------|------|------|
| Gate height | 1.8m | 1.8m | 1.8m | 1.8m | 1.8m | 1.8m |
| Allowable wind speed 25% clad(km/h) ¹ | 122 | 91 | 72 | 60 | 52 | 46 |
| Allowable wind speed 100% clad (km/h) ¹ | 61 | 45 | 36 | 30 | 26 | 23 |

VANTAGE 500 SMART MAXIMUM OPENING SPEED

| Gate length | 1.5m | 2m | 2.5m | 3m | 3.5m | 4m |
|--|------|------|------|------|------|------|
| Gate height | 1.8m | 1.8m | 1.8m | 1.8m | 1.8m | 1.8m |
| Allowable wind speed 25% clad(km/h) ¹ | 134 | 100 | 79 | 67 | 58 | 51 |
| Allowable wind speed 100% clad (km/h) ¹ | 67 | 50 | 39 | 33 | 29 | 25 |

- Gate opening and closing times will increase as wind speeds increase.

OVERALL DIMENSIONS



VANTAGE 300 SMART: 870mm retracted
VANTAGE 400 SMART: 970mm retracted
VANTAGE 500 SMART: 1070mm retracted

VANTAGE 300 SMART: 300mm stroke
VANTAGE 400 SMART: 400mm stroke
VANTAGE 500 SMART: 500mm stroke