CENTURION



V-SERIES SMART

LINEAR SWING GATE OPERATORS

Stylish, Strong and SMART.

DOWNLOAD YOUR Brochures, Manuals and our latest Apps for a SMART experience!

A BRAND OF FAAC TECHNOLOGIES

Made in SOUTH AFRICA | 24 MONTH WARRANTY | CE | UKCA



SMΔRT ACCESS TO HOMES AND RESIDENTIAL SETTINGS

Stylish, Strong, and SMΔRT

The **V-SERIES SMΔRT** 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 **V-SERIES SMΔRT** 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 **V-SERIES SMΔRT** 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 **V-SERIES SMΔRT** is a complete gate access package.

Making lives easier for installers

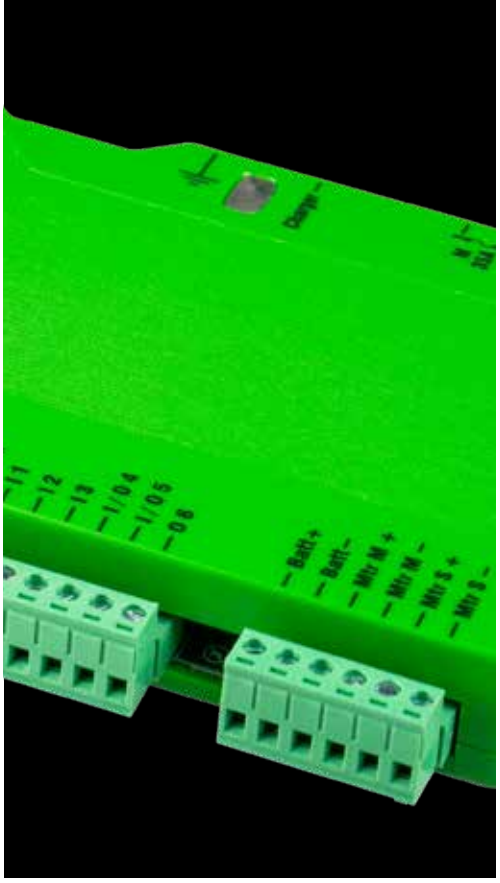
The **V-SERIES SMΔRT**'s trailblazing technology gives your installer the edge to give you the ultimate in gate control sophistication, streamlining commissioning through an intuitive and user-friendly mobile app interface.

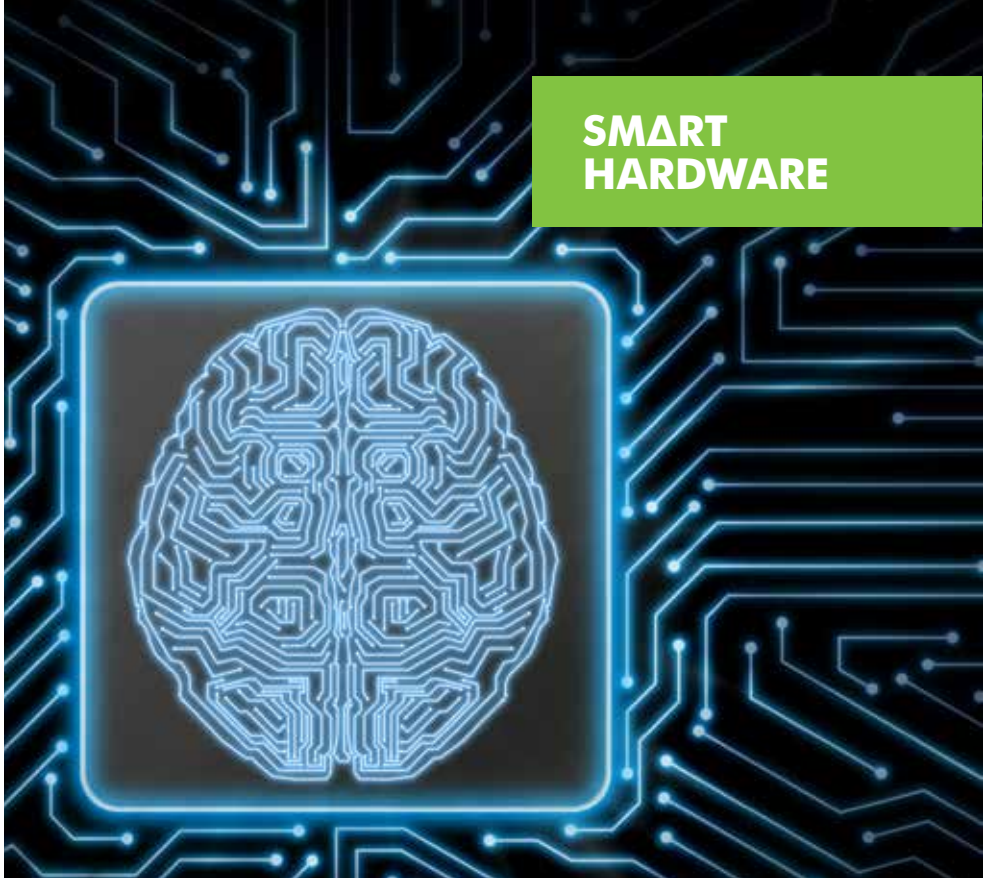
The app also gives your installer quick, easy access to diagnostics and system health, ensuring that your gate always delivers the highest level of performance and reliability.

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 **V-SERIES SMΔRT** range of swing gate operators. In addition, the **V-SERIES SMΔRT**'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 **V-SERIES SMART**, you have full command over your gate, giving you outstanding convenience and simplifying your life. But the **V-SERIES 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 **V-SERIES 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 **V-SERIES SMART** range is capable of reliably operating swing gates in the majority of domestic and light-industrial applications.

Revolutionary braking system

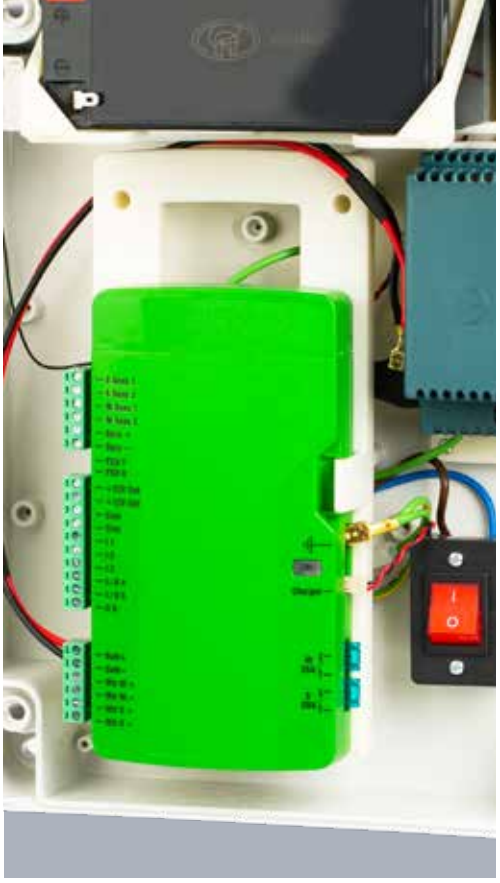
The revolutionary centrifugal brake developed for the **V-SERIES SMART** swing gate motors ensures secure locking of the operator when the gate is both open and closed, so you have complete peace of mind at all times.

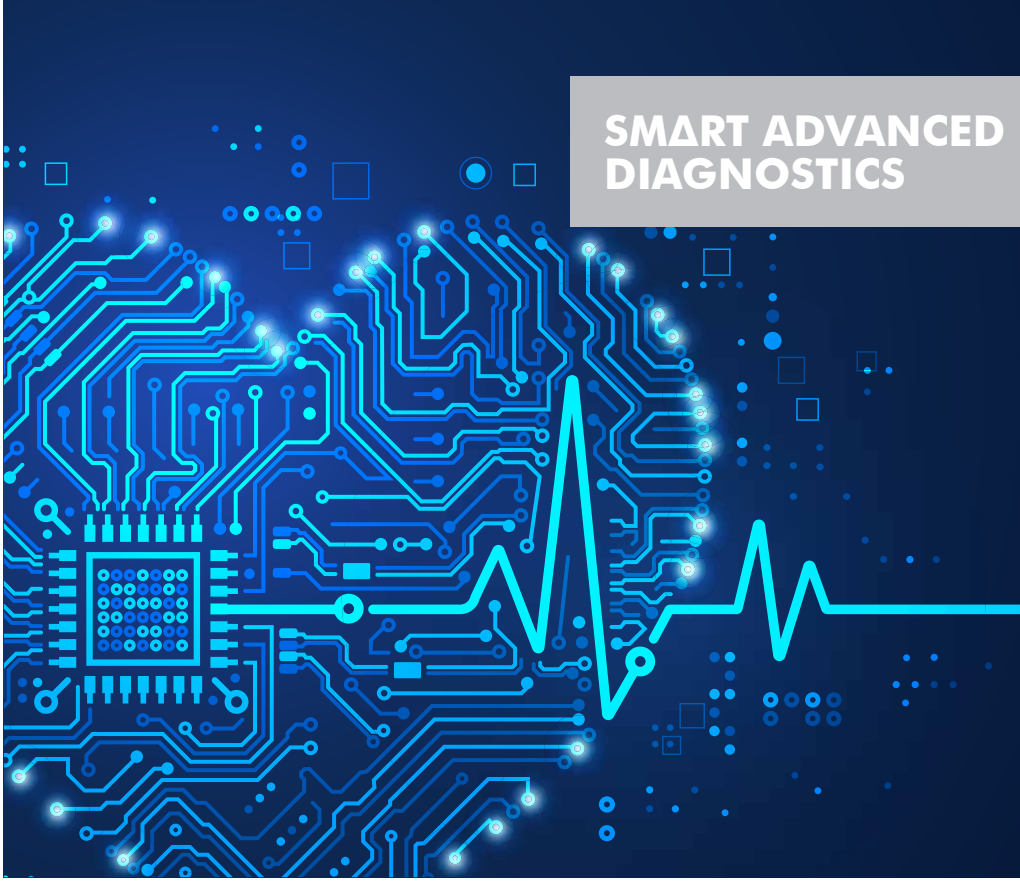
Internal limits

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

Sensitive obstruction detection

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





Complete speed control

The **V-SERIES 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 **V-SERIES 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 **V-SERIES 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 **V-SERIES 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 **V-SERIES SMART**, you can rest assured that your gate will remain operational and secure at all times.

Anti-fatigue cable harness

Every aspect of the **V-SERIES 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



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 Station
Communication hub for the G-SPEAK ULTRA GSM intercom



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



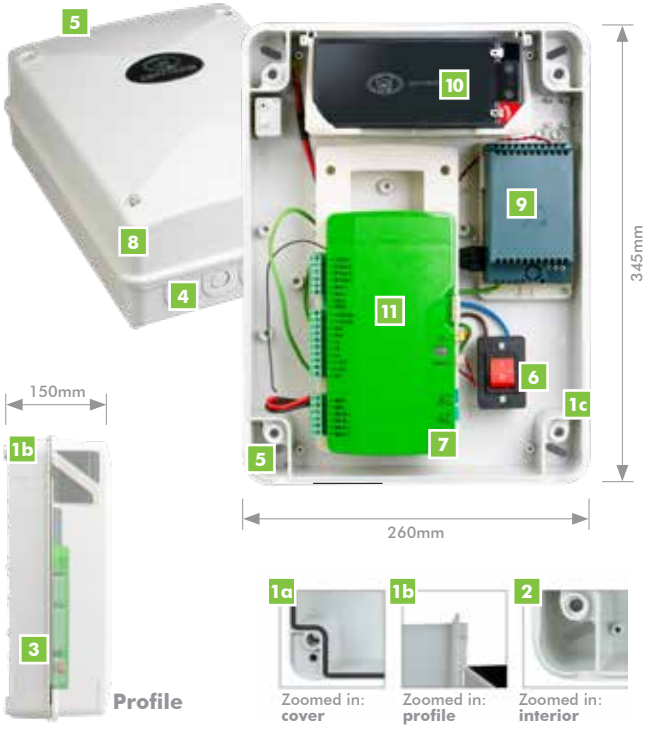
12V-24V SMART Siren
A top-notch security companion, designed to seamlessly integrate with your existing SMART gate and garage door operators (not shown in diagram)

THE Vx SMART WALL BOX

The **Vx SMART** Wall Box, supplied standard with all **V-SERIES 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 **V-SERIES SMART** operator and enhances the aesthetics of any installation.

Wall box cover

Wall box interior
V-SERIES 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 Charger[1] (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.

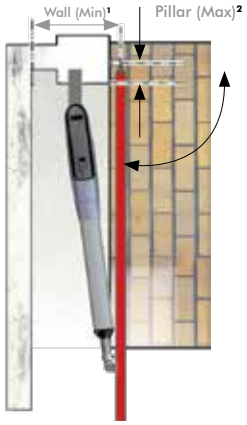
TECHNICAL SPECIFICATIONS

	V-SERIES 300 SMΔRT	V-SERIES 400 SMΔRT	V-SERIES 500 SMΔRT
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%		
Maximum operations during battery backup (no mains power) with 7.2Ah battery[7]			
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 SMΔRT 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]		

1. Can increase battery capacity for longer standby times.
2. Can operate off a solar supply, consult your reseller for assistance.
3. Assumes a full stroke of operator is used with no wind present.
4. Each operator comes with a unique set of keys.
5. Based on 25°C ambient temperature and unit not in direct sunlight.
6. Based on an operator push force of less than 50% of rated.
7. Based on double kit excluding Infrared Safety Beams.
8. Multiple buttons per remote can be used.
9. Single kit contains one operator and Wall Box.
10. Double kit contains two operators and one Wall Box.
11. 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]
V-SERIES 300 SMΔRT	200mm	90mm
V-SERIES 400 SMΔRT	200mm	165mm
V-SERIES 500 SMΔRT	200mm	245mm

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

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INSTALLATION INFORMATION

Allowable Gate Mass:

Maximum Allowable Gate Mass for V-SERIES 300 SMΔRT 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

1. 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 V-SERIES 400 SMΔRT 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. 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 V-SERIES 500 SMΔRT 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. For gate leaves in excess of 2.5m, an electric lock must be fitted to secure gate in closed position.

Wind Loading

V-SERIES 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

V-SERIES 400 SMART MAXIMUM OPENING SPEED

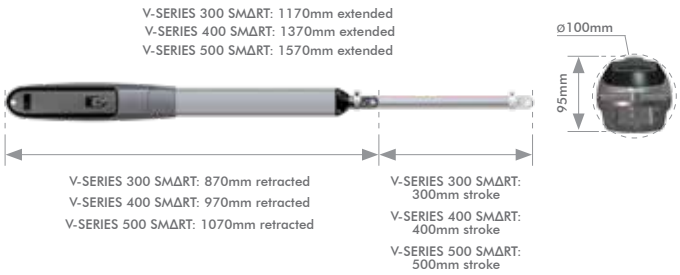
Gate length	1.5m	2m	2.5m	3m	3.5m	4m
Gate height	1.8m	1.8m	1.8m	1.8m	1.8m	1.8m
Allowable wind speed 25% clad(km/h)[1]	122	91	72	60	52	46
Allowable wind speed 100% clad (km/h)[1]	61	45	36	30	26	23

V-SERIES 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

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

OVERALL DIMENSIONS



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