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365 days
a year



D20 SMART

INDUSTRIAL SLIDING GATE OPERATOR

SMART.
The intelligent choice

For Gate & Garage Motor, Intercom, Electric Fence,
& CCTV repairs and installations

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INTELLIGENT SECURITY FOR YOUR GATE

When it's time to beef up security, you need **real** muscle, the kind that only **the number one in access automation** can deliver. Introducing the brand new **D20 SMART** industrial siding gate motor. Packing a heavy duty DC motor, this powerhouse can move a gate weighing up to two tonnes like it's nothing. Because the **D20 SMART** has two backup batteries, it gives you uninterrupted security, convenience and peace of mind. With such a rugged design and the toughest exterior, **it's just built that way.**

Complementing its tough-as-nails mechanical build, **SMART** technology makes the **D20 SMART** as intelligent as it's solid. Everything from setting the limits to managing remotes is done wirelessly using the MyCentsys Pro app, which acts as a complete, highly intuitive user interface that also provides diagnostic feedback and monitors system health in real-time.

If your high-volume site calls for the kind of security that never backs down even when it's pushed beyond the limits of other gate motors, make the intelligent choice and get the **D20 SMART.**

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MAIN FEATURES

Smooth and strong

A lesser operator would move your big gate very grudgingly, resulting in a lot of rattling and wobbling that take a serious toll on your system's longevity. The **D20 SMART's** powerful motor treats even the most massive gates like a featherweight – moving with a silky smoothness that ensures a long and healthy lifespan.

Alert and agile

This mighty motor moves with exceptional grace. Reliable Hall Effect technology keeps track of the gate position at all times, and ensures pin-point stopping. The unit also boasts advanced safety features and cutting-edge obstruction detection technology, ensuring that your gate isn't only secure, but completely safe.

Staying power

The **D20 SMART's** starting and stopping power make it the best in its class, and the die-cast aluminium gearbox is the very definition of rugged. Being so strong means that the **D20 SMART** will last longer as its parts are never put under any serious stress.

SMART hardware

Not only is the **D20 SMART** beautifully-styled, but it provides the best experience for installers with easy access to mounting hardware, backward compatibility (drop-in replacement) on existing A10 base plates, optimised cable routing and a dedicated accessory tray for complementary solutions such as GSM modules.

SMART connectivity

Set the gate limits, speed, automatic closing and unique profiles for everyone using the gate, with just a few taps.

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SMART ADVANCED DIAGNOSTICS

SMART security

We've designed a custom theft-deterrent bracket for the **D20 SMART** that threads through the gearbox. Additionally, the unit has a built-in vibration sensor that can be linked to an alarm to alert you to movement or tampering at the gate, potentially helping to prevent theft of the gate motor as well as break-ins. You can even link the sensor to your armed response company to ensure swift reaction in the event of these scenarios.

SMART diagnostics

The MyCentsys Pro mobile app connects wirelessly to our **D20 SMART** gate motor and gives you instant access to advanced, in-app diagnostics and logs, monitoring system health in real time and saving you time and effort.

Operate wirelessly

The **D20 SMART** can store up to 1500 individual NOVA remote controls – and now, with the new MyCentsys Pro mobile app, managing the remote control database just couldn't be easier. MyCentsys Pro enables you or your installer to quickly and effortlessly add, edit, delete and label remotes as well as setting up each individual button's associated functionality, for example opening a gate fully or for pedestrians, saving you time, allowing you to customise each remote control button to suit individual requirements, and making life easier for everyone. The operator's huge remote memory capacity makes it the right fit for high-volume commercial and industrial sites.

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ACCESSORIES



1
Steel rack
Steel rack is available in different lengths to accommodate any gate



2
CENTURION Photon SMART Infrared beams
Wireless infrared beams. Always recommended on any automated installation



3
P36
Passive sensitive edge provides additional protection against crushing



4
WiZo-Link module
Wireless input-output module using mesh network technology creating fully-wireless connections between devices



5
SMARTGUARD or SMARTGUARDair keypad
Cost-effective and versatile wired and wireless keypads, allowing access to pedestrians



6
FLUX SA Loop Detector
Allows free-exit of vehicles from the property - requires ground loop to be fitted



7
CENTURION transmitters
Available in one-, two- and four-button variants. Incorporates code-hopping encryption



8
Theft-resistant cage & padlock
Retro-installable steel cage that increases the resistance of the operator against theft



9
Gooseneck
Steel pole for mounting intercom gate station or access control reader



10
Wheel kits
A variety of wheel kits are available from your CENTURION dealer



11
Solar supply
Alternative means of powering the system - consult your CENTURION dealer



12
G-ULTRA GSM device
The ultimate new GSM solution for monitoring and activating the operator via your mobile phone



13
Wireless intercom systems
Answer your intercom and open your gate from anywhere for maximum security and convenience

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TECHNICAL SPECIFICATIONS

Technical Data	D20-SMART													
Input voltage	90V - 240V AC +/-10% @ 50Hz ¹													
Current consumption (Mains)	250mA													
Battery charger current output	1.8A @ 27.4V +/-1%													
Maximum number of operations per day	750 ^{2,3}													
Duty cycle - Mains present ^{2,3}	45%													
Motor voltage	24V DC													
Motor power supply	Battery-driven (Standard Capacity - 2x 7.2Ah) ³													
Current consumption (motor at rated load)	9A													
Input / Output sink currents (Max accessory current draw)														
I/O 1-4	100mA (12/24V)													
I/O 5 and 6	3A (12/24V) 10sec Pulse													
Motor push force - starting	52kgf													
Motor push force - rated	39kgf													
Gate mass - maximum	2000kg													
Gate length - maximum	25m													
Gate speed (varies with load) ^{2,3}	Up to 18m/min ³													
Manual Override	Lockable lever with key release													
Drive Pinion	13T Module 4													
Operations in standby with 2x 7.2Ah batteries	<table border="1"> <thead> <tr> <th colspan="3">Operating Mode</th> </tr> <tr> <th></th> <th>Power Saving 15m/min 20kgf</th> <th>Normal 18m/min 20kgf</th> </tr> </thead> <tbody> <tr> <td>Half day^{2,3,4}</td> <td>101</td> <td>55</td> </tr> <tr> <td>Full day^{2,3,4}</td> <td>80</td> <td>45</td> </tr> </tbody> </table>		Operating Mode				Power Saving 15m/min 20kgf	Normal 18m/min 20kgf	Half day ^{2,3,4}	101	55	Full day ^{2,3,4}	80	45
Operating Mode														
	Power Saving 15m/min 20kgf	Normal 18m/min 20kgf												
Half day ^{2,3,4}	101	55												
Full day ^{2,3,4}	80	45												
Collision Sensing	Electronic													
Operating temperature range	-15°C to +50°C													
Onboard receiver type	CENTURION rolling code (Keelog encryption) multichannel													
Receiver code storage capacity	1500 Remotes ⁴													
Receiver frequency	433.92MHz													
Degree of protection	IP54													
Mass of unit packed (with standard kit, but excl. rack and battery)	13kg													
Packaging dimensions (with standard kit, but excl. rack and battery)	350mm wide x 282mm deep x 470mm high													

- Can operate off a solar supply, consult your local dealer for assistance
- Based on 25°C ambient temperature and unit not in direct sunlight
- Based on a motor push force of less than 50% of rated (Starting and Running forces)
- Gate opening and closing speeds can be configured to run slower depending on the requirements of individual installations

- Can increase battery capacity for longer standby times
- Based on 4m gate, excluding all accessories
- Multiple buttons per remote can be used

OVERALL DIMENSIONS



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