





SLIDING GATE OPERATORS

Your entrance gate serves as the crucial barrier between you and the outside world, an initial shield against potential threats. Boost your security measures with the utmost confidence by choosing nothing but the finest. CENTURION presents a line of sliding gate motors meticulously engineered to offer an unparalleled fusion of security and convenience.

Upgrade your entrance gate with CENTURION's sliding gate motors and empower your security strategy with the pinnacle of innovation and reliability. Your peace of mind begins here, where security meets convenience in perfect harmony.



SLIDING GATE OPERATOR QUICK SELECTION GUIDE

This quick selection guide will help you to select the perfect CENTURION for you or your client's sliding gate by providing the differentiating features and key specifications of each.



	D3 SMART	D5-EVO SMART	D6 SMART
Input voltage	110V - 240V AC 50/60Hz	110V - 240V AC 50/60Hz	90V - 240V AC +/-10% @ 50Hz
Mains power required at gate	✓ / Solar	✓ / Solar	✓ / Solar
Gate mass – maximum	300kg	500kg	600kg
Gate speed – maximum³	Up to 24m/min	Up to 24m/min	Up to 35m/min
Maximum gate leaf width for corresponding gate mass	-	-	-
Typical gate opening time	-	-	-
Maximum daily operations	-	-	-
Duty cycle – mains present¹	50%	50%	50%
Daily operations - maximum²	32	150	150
Interface type	Mobile app	Mobile app	Mobile app
Time-barring and automatic activation	✓	✓	✓
Onboard multichannel receiver	✓	✓	✓

1. Based on a 25° ambient temperature and unit not in direct sunlight

2. Battery-driven typically using a 7Ah D-SERIES battery and a charger (battery can be upgraded for greater power failure autonomy – mounted separately). Solar power may also be used.



D10 SMART	D10 TURBO SMART	D20 SMART
90V - 240V AC +/-10% @ 50Hz	90V - 240V AC +/-10% @ 50Hz	90V - 240V AC / Solar
✓ / Solar	✓ / Solar	✓ / Solar
1000kg	1000kg	2000kg
Up to 26m/min	Up to 45m/min	Up to 18m/min
-	-	-
-	-	-
-	-	-
-	-	-
45%	25%	45%
750	750	750
Mobile app	Mobile app	Mobile app
✓	✓	✓
✓	✓	✓

3. Gate opening and closing speeds can be configured to run slower depending on the requirements of individual installations



TAKE YOUR HOME SECURITY AND CONVENIENCE TO THE NEXT LEVEL WITH CENTURON SYSTEMS' INNOVATIVE D3 SMART AND D5-EVO SMART GATE MOTORS

Our cutting-edge domestic and residential access solutions offer a perfect blend of intelligent features, reliable performance, and user-friendly design, catering to both budget-conscious homeowners and those seeking a powerful upgrade.



DOWNLOAD OUR
MyCENTSYSPro MOBILE APP
for a smart experience!



D3 SMART DOMESTIC SLIDING GATE OPERATOR

D3 SMART

D3 SMART

Bringing Innovation to Every Entryway

Experience the **D3 SMART**, a gate motor that embodies the philosophy of **simplicity being the pinnacle of sophistication**. This solution provides premium performance and smart features at an accessible price point, making secure and reliable gate automation attainable for everyone.

Here's why you'll love the D3 SMART:

- **Fast and Secure:** Open your gate in a flash, keeping unwanted visitors at bay

*Upgrade your security without breaking a sweat. Choose the **D3 SMART** gate motor, the smart choice for every home.*

- **Smart Control:** Manage your gate with maximum convenience and flexibility with the user-friendly smartphone app
- **Easy Installation:** Saving installers time and effort with the industry-leading design
- **Reliable Performance:** Never miss a beat with dependable battery-driven technology
- **Intelligent Features:** Advanced alerts, notifications and reporting keep you informed and in control
- **Peace of Mind:** Enjoy outstanding security with the improved theft-resistant cage
- **Convenient Commissioning and Operation:** Effortless smartphone setup and single-action manual release
- **Wireless, Effortless Safety:** Compatible with Photon SMART Beams for a complete wireless experience



D3 SMART DOMESTIC SLIDING GATE OPERATOR

Experience the smart security you deserve, now within reach. The **D3 SMART** gate motor embodies the philosophy of simplicity being the pinnacle of sophistication. It combines sleek design and premium performance with intelligent features, making secure and reliable gate automation accessible to everyone.

D3 SMART is packed with advanced – yet intuitive and user-friendly - functionality to make your life easier.

Effortlessly control your gate with the MyCentsys Remote smartphone app, receive advanced diagnostic feedback for ultimate peace of mind, and enjoy dependable battery-driven technology that stands up to power outages.

Installer-friendly, feature-rich, and budget-conscious, **D3 SMART** is the smarter choice for your home.



MAIN FEATURES

- **Fast and Secure:** Open your gate in a flash, keeping unwanted visitors at bay
- **Smart Control:** Manage your gate with maximum convenience and flexibility with the user-friendly smartphone app
- **Easy Installation:** Saving installers time and effort with the industry-leading design
- **Reliable Performance:** Never miss a beat with dependable battery-driven technology
- **Intelligent Features:** Advanced alerts, notifications and reporting keep you informed and in control
- **Peace of Mind:** Enjoy outstanding security with the improved theft-resistant cage
- **Convenient Commissioning and Operation:** Effortless smartphone setup and single-action manual release
- **Wireless, Effortless Safety:** Compatible with Photon SMART Beams for a complete wireless experience

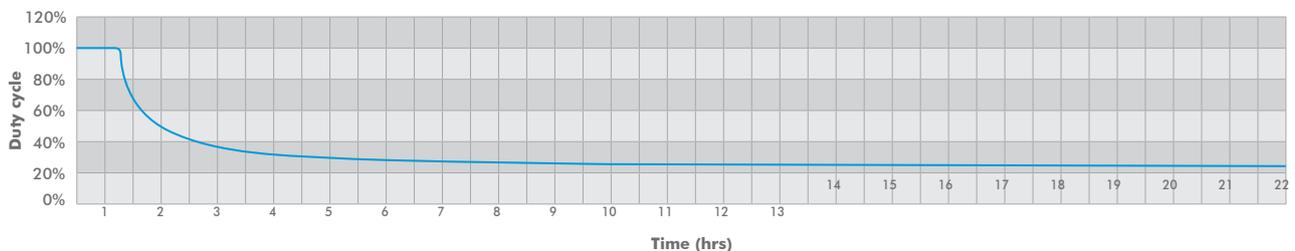
1. Multiple buttons per remote can be used

TECHNICAL SPECIFICATIONS

Technical Data	D3 SMART	
Input voltage	110V - 240V AC 50/60Hz ¹	
Current consumption (Mains)	320mA peak	
Battery charger current output	1.8A @ 14.3V +/- 5% (28W)	
Maximum number of operations per day	20 ^{3,6}	
Duty cycle - Mains present ^{2,3}	25%	
Motor voltage	12V DC	
Motor power supply	Battery-driven(Standard Capacity - 1x12V) ⁵	
Current consumption (motor at rated load)	11A	
Motor push force - starting	18kgf	
Motor push force - rated	12kgf	
Gate mass - maximum	300kg	
Gate length - maximum	10m	
Gate speed (varies with load) ⁴	Maximum: Up to 24m/min Rated: Up to 21m/min	
Manual Override	Lockable with key release	
Operations in standby with 6Ah battery	Operating Mode	
	Up to 24m/min 7kgf	Up to 24m/min 12kgf
	Half day ^{5, 6, 8}	80
	Full day ^{5, 6, 8}	65
Collision Sensing	Electronic	
Operating temperature range	-15°C to +50°C	
Onboard receiver type	Code-hopping multichannel receiver with selective add and delete	
Receiver code storage capacity	32 Remotes ⁷	
Receiver frequency	433.92MHz	
Degree of protection	IP55	
Mass of unit packed	6.7kg	

1. Can operate off a solar supply, consult your local dealer for assistance
2. Based on 25°C ambient temperature and unit not in direct sunlight
3. Based on a motor push force of less than 50% of rated (Starting and Running forces)
4. Gate opening and closing speeds can be configured to run slower depending on the requirements of individual installations
5. Can increase battery capacity for longer standby times
6. Based on 4m gate, excluding all accessories
7. Multiple buttons per remote can be used

D3 SMART SINGLE OPERATOR DUTY CYCLE AS A FUNCTION OF OPERATING TIME





D5-EVO SMART DOMESTIC SLIDING GATE OPERATOR

The iconic D5-Evo, reimagined. The gate motor synonymous with reliability and performance just got smarter. Introducing the **D5-Evo SMART**, powered by award-winning technology and designed to enhance your security experience.

More than just an upgrade, it's an evolution. The **D5-Evo SMART** retains the legendary strength and dependability of its predecessor, now enhanced with intelligent features that put you in complete control. Enjoy effortless smartphone control, advanced diagnostics for ultimate peace of mind, and dependable battery-driven technology that keeps you protected even during power outages.



MAIN FEATURES

- **Seamless Control:** Manage your gate with maximum convenience, control and flexibility with the user-friendly smartphone app
- **Intelligent Insights:** Advanced notifications, alarms, monitoring and reporting keep you informed and in control
- **Uninterrupted Security and -Convenience:** Dependable battery-driven technology ensures seamless operation even during power outages
- **Effortless Setup:** Wireless configuration and smartphone control make installation a breeze
- **Enhanced Security:** The improved theft-resistant cage and advanced position control system offer unparalleled peace of mind
- **Ultimate Versatility:** Individually-configurable inputs and outputs allow for harmonious integration with your SMART ecosystem

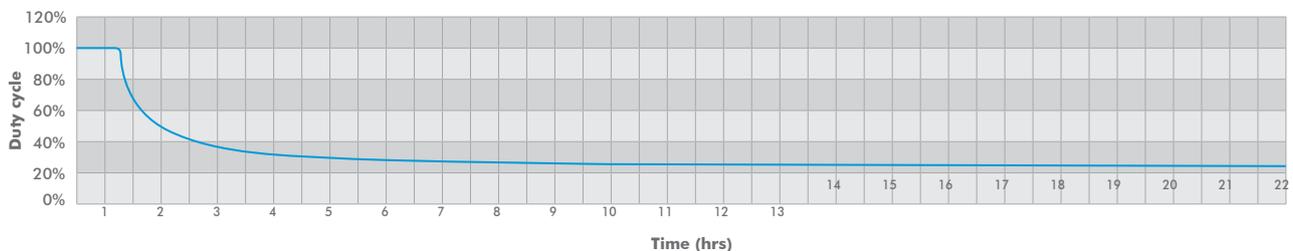
1. Multiple buttons per remote can be used

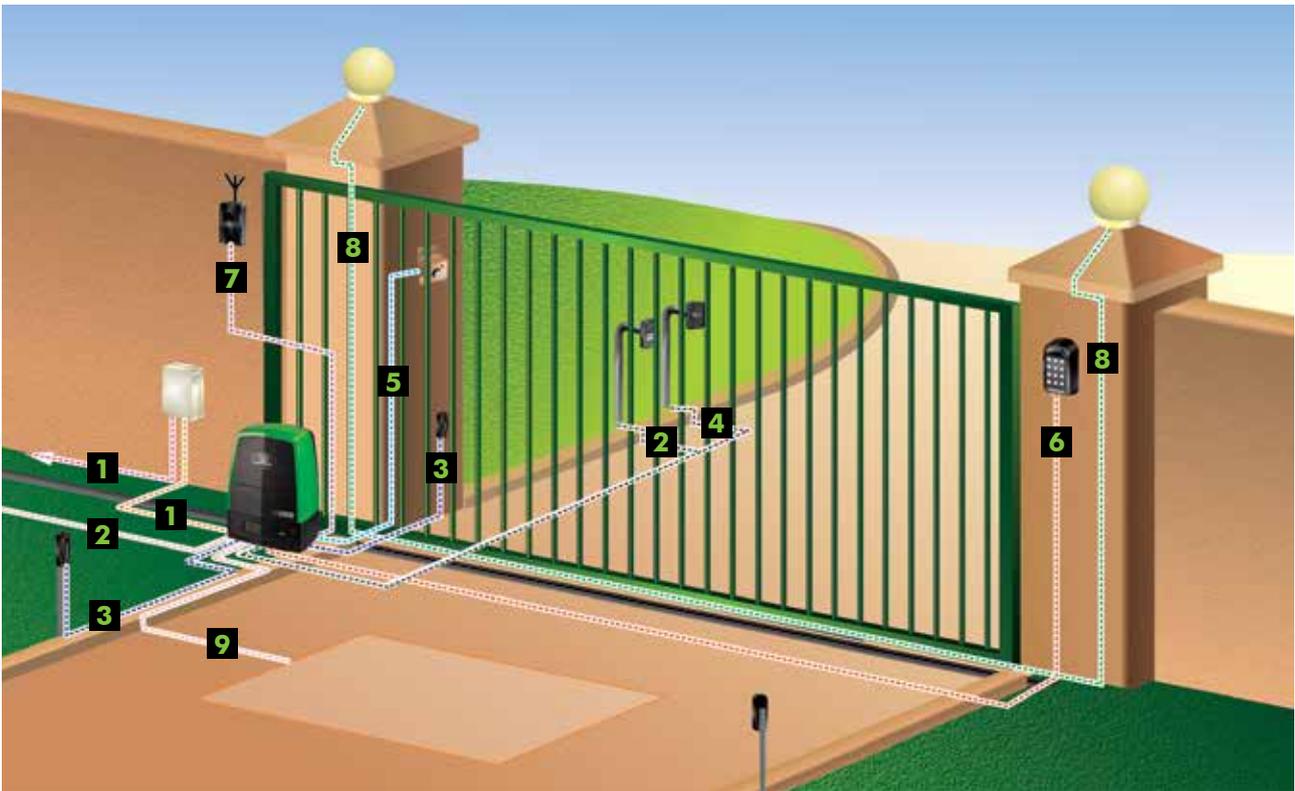
TECHNICAL SPECIFICATIONS

Technical Data	D5-EVO SMART	
Input voltage	110V - 240V AC 50/60Hz ¹	
Current consumption (Mains)	320mA peak	
Battery charger current output	1.8A @ 14.3V +/- 5% (28W)	
Maximum number of operations per day	150 ^{3,6}	
Duty cycle - Mains present ^{2,3}	50%	
Motor voltage	12V DC	
Motor power supply	Battery-driven(Standard Capacity - 1x12V) ⁵	
Current consumption (motor at rated load)	15A	
Input / Output sink currents (Max accessory current draw)		
I/O 1-4	100mA (12V)	
O 5	3A (12V) 10sec Pulse	
Motor push force - starting	30kgf	
Motor push force - rated	17kgf	
Gate mass - maximum	500kg	
Gate length - maximum	20m	
Gate speed (varies with load) ⁴	Maximum: Up to 24m/min Rated: Up to 21m/min	
Manual Override	Lockable with key release	
Operations in standby with 6Ah battery	Operating Mode	
	Up to 24m/min 7kgf	Up to 24m/min 12kgf
	90	44
Half day ^{5, 6, 8}	90	44
Full day ^{5, 6, 8}	70	35
Collision Sensing	Electronic	
Operating temperature range	-15°C to +50°C	
Onboard receiver type	Code-hopping multichannel receiver with selective add and delete	
Receiver code storage capacity	32 Remotes ⁷	
Receiver frequency	433.92MHz	
Degree of protection	IP55	
Mass of unit packed	7.1kg	

- 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

D5-EVO SMART SINGLE OPERATOR DUTY CYCLE AS A FUNCTION OF OPERATING TIME





CABLING REQUIREMENTS

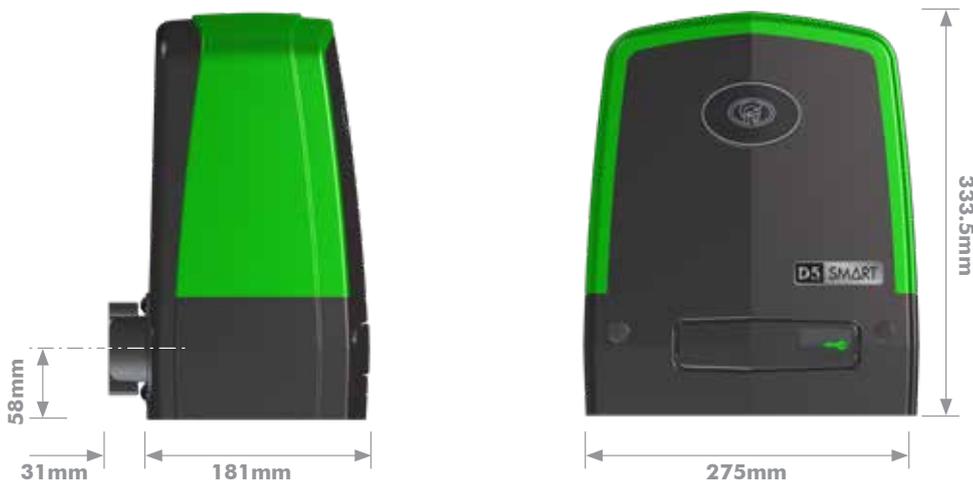
1. **D3 SMART and D5-EVO SMART:** 220V - 240V AC mains cable via double mains isolator switch (3 core LNE 1.5mm² SWA)¹

Optional Wiring (all cable is multi-stranded):

2. Intercom, cable from control box to dwelling (n1⁶ + 6 core³ 0.5mm² multi-stranded) or cable from control box to entry panel (n2⁶ 0.5mm² multi-stranded)
3. Infrared Safety Beams (3 core 0.5mm² multi-stranded)
4. Access control device (3 core 0.5mm² multi-stranded⁴)
5. Pedestrian keyswitch (2 core 0.5mm² multi-stranded) or
6. Keypad (3 core 0.5mm² multi-stranded)
7. External radio receiver (3 core 0.5mm² multi-stranded⁵)
8. Pillar Lights (3 core LNE SWA², size according to power requirements)
9. Inductive loop detector for free-exit (1 core 0.5mm² multi-stranded - silicone-coated⁶)

1. Possibly increase cable thickness if Pillar Lights are to be installed
2. SWA - steel wire armoured. Type of cable must adhere to municipal bylaws and preferably be screened. Screening provides better protection against lightning - earth one end of the screening
3. Allows for all features such as Pedestrian Opening, Status LED, etc. to be operated from the intercom handset inside the dwelling

4. Number of cores and type of cable could vary depending on the brand of access control system being used
5. For optimum range an external radio receiver can be mounted on the wall
6. Number of cores required by the intercom





D5-EVO SMART DOMESTIC SLIDING OPERATOR

D5-EVO SMART

The Evolution of Strength and Performance

The iconic D5-EVO, reimagined.

The gate motor synonymous with reliability and performance just got smarter. Introducing the **D5-EVO SMART**, powered by award-winning technology and designed to enhance your security experience.

More than just an upgrade, it's an evolution.

The **D5-EVO SMART** retains the legendary strength and dependability of its predecessor, now enhanced with intelligent features that put you in complete control. Enjoy effortless smartphone control, advanced diagnostics for ultimate peace of mind, and dependable battery-driven technology that keeps you protected even during power outages.

Unleash the power of SMART:

- **Seamless Control:** Manage your gate with maximum convenience, control and flexibility with the user-friendly smartphone app
- **Intelligent Insights:** Advanced notifications, alarms, monitoring and reporting keep you informed and in control

- **Uninterrupted Security and Convenience:** Dependable battery-driven technology ensures seamless operation even during power outages
- **Effortless Setup:** Wireless configuration and smartphone control make installation a breeze
- **Enhanced Security:** The improved theft-resistant cage and advanced position control system offer unparalleled peace of mind
- **Ultimate Versatility:** Individually-configurable inputs and outputs allow for harmonious integration with your SMART ecosystem

*The **D5-EVO SMART** is a statement. It's a monument of innovation, a commitment to security, and an assurance of peace of mind.*

*Experience the future of gate control, powered by the legacy of the **D5-EVO**.*



D6 SMART DOMESTIC AND RESIDENTIAL SLIDING GATE OPERATOR

Fast-thinking and fast-moving, D6 SMART is here to change the way you think about gate motors. It's time for your gate to move with the times – after all, why settle for average when you can go SMART? Our latest domestic offering gives you a fully customisable experience, including allowing your remote controls to be fine-tuned just the way you like it to match your unique requirements, fully configurable run profiles and adjustable speed and sensitivity, not to mention intruder-detection and battery backup. It's your ticket to the SMART life.



MAIN FEATURES

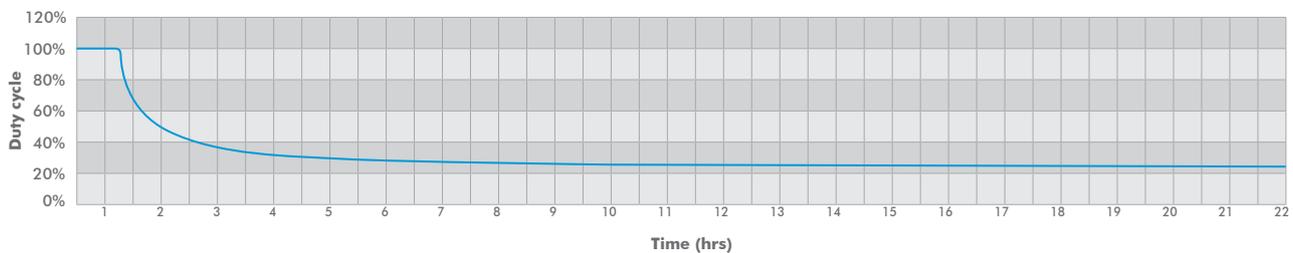
- Wireless and effortless – easy smartphone setup and configuration
- Safe and secure with a top speed of 36 metres per minute
- Makes your life easier with advanced diagnostic feedback
- Dependable battery-driven technology – continues working during power outages
- Intelligent logging and reporting
- Onboard multichannel NOVA receiver with 1500 remote memory
- SMART hardware providing best experience for installers and end-users
- New and improved theft-resistant cage with a patented design offering outstanding security and peace of mind
- Intelligent battery charger with onboard diagnostics and SMART communication between the charger and the controller
- Improved position control system incorporating Hall Effect technology – highly resistant to interference
- Individually-configurable inputs and outputs
- Convenient and intuitive single-action manual release

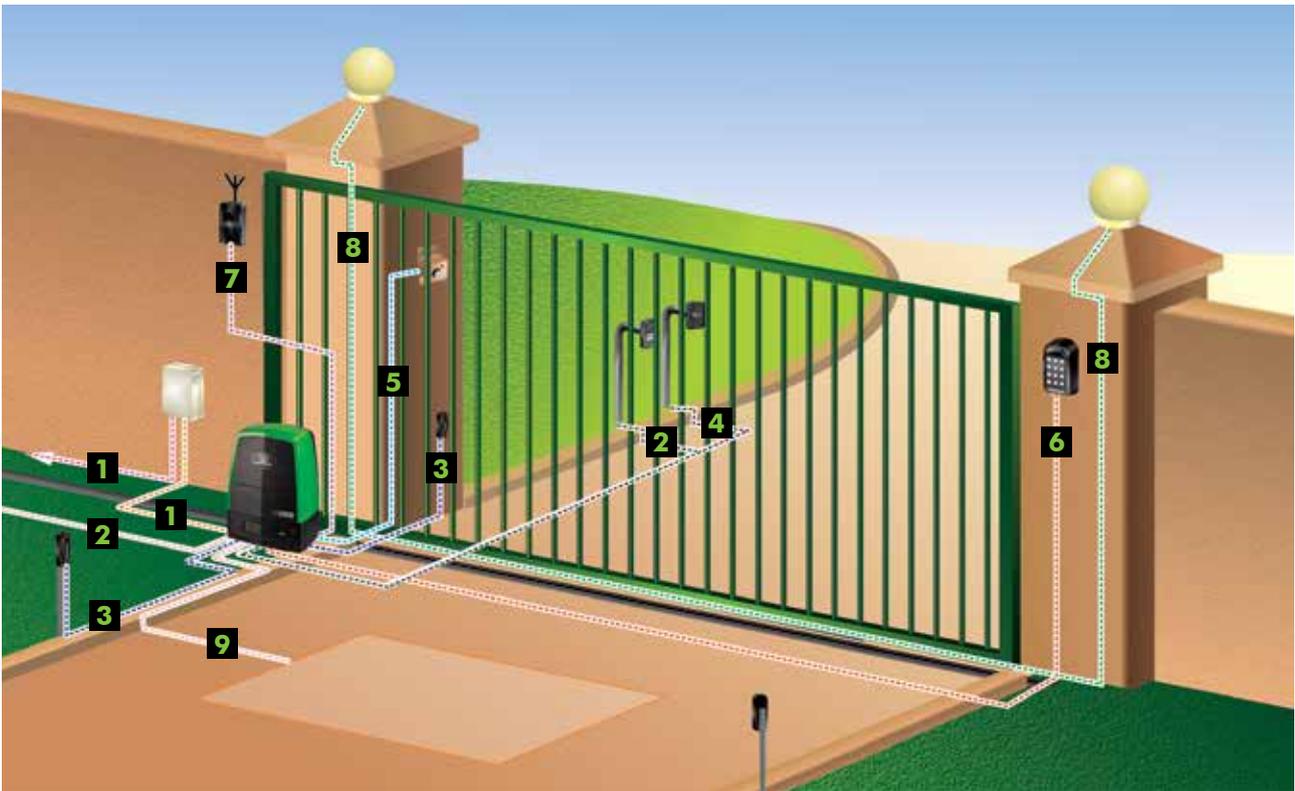
TECHNICAL SPECIFICATIONS

Technical Data	D6 SMART
Input voltage	90V - 240V AC +/-10% @ 50Hz ¹
Current consumption (Mains)	200mA
Battery charger current output	1.3A
Maximum number of operations per day	150
Duty cycle - Mains present ^{2,3}	50%
Motor voltage	24V DC
Motor power supply	Battery-driven (Standard Capacity - 2x12V) ⁵
Current consumption (motor at rated load)	13A
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	30kgf
Motor push force - rated	17kgf
Gate mass - maximum	600kg
Gate length - maximum	100m
Gate speed (varies with load) ⁴	36m/min @ 17kgf
Manual Override	Lockable with key release
Operations in standby with 6Ah battery	
Half day ^{5,6}	44
Full day ^{5,6}	35
Collision Sensing	Electronic
Operating temperature range	-15°C to +50°C
Onboard receiver type	Code-hopping multichannel receiver with selective add and delete
Receiver code storage capacity	1500 Remotes ⁷
Receiver frequency	433.92MHz
Degree of protection	IP55
Mass of unit packed	9.1kg

1. Can operate off a solar supply, consult your local dealer for assistance
2. Based on 25°C ambient temperature and unit not in direct sunlight
3. Based on a motor push force of less than 50% of rated (Starting and Running forces)
4. Gate opening and closing speeds can be configured to run slower depending on the requirements of individual installations
5. Can increase battery capacity for longer standby times
6. Based on 4m gate, excluding all accessories
7. Multiple buttons per remote can be used

D6 SMART SINGLE OPERATOR DUTY CYCLE AS A FUNCTION OF OPERATING TIME





CABLING REQUIREMENTS

1. **D6 SMART:** 220V - 240V AC mains cable via double mains isolator switch (3 core LNE 1.5mm² SWA)¹

Optional Wiring (all cable is multi-stranded):

2. Intercom, cable from control box to dwelling (n1⁶ + 6 core³ 0.5mm² multi-stranded) or cable from control box to entry panel (n2⁶ 0.5mm² multi-stranded)
3. Infrared Safety Beams (3 core 0.5mm² multi-stranded)
4. Access control device (3 core 0.5mm² multi-stranded⁴)
5. Pedestrian keyswitch (2 core 0.5mm² multi-stranded) or
6. Keypad (3 core 0.5mm² multi-stranded)
7. External radio receiver (3 core 0.5mm² multi-stranded⁵)
8. Pillar Lights (3 core LNE SWA², size according to power requirements)
9. Inductive loop detector for free-exit (1 core 0.5mm² multi-stranded - silicone-coated⁶)

1. Possibly increase cable thickness if Pillar Lights are to be installed
2. SWA - steel wire armoured. Type of cable must adhere to municipal bylaws and preferably be screened. Screening provides better protection against lightning - earth one end of the screening
3. Allows for all features such as Pedestrian Opening, Status LED, etc. to be operated from the intercom handset inside the dwelling

4. Number of cores and type of cable could vary depending on the brand of access control system being used
5. For optimum range an external radio receiver can be mounted on the wall
6. Number of cores required by the intercom





5 REASONS TO GO SMART

It's no secret that technology (and therefore the world) is changing at an incredible pace. The things that must have seemed like science fiction to previous generations are now very much a reality as machines race ahead and accomplish astonishing feats that are nothing short of mind-blowing. From self-driving cars to robots that win game shows, the future seems to have truly arrived, bringing with it some of the most brilliant innovations and inventions in human history.

But how has technological development changed the workplace?

Well, for one thing, it's transcending physical space (something that we've seen more of in the past year or so) with more and more people taking to working remotely thanks to communication technologies such as Skype and Zoom. But it's also changed how we interact with our environment, making tasks easier and less complicated than in the past.

With so much innovation taking place, and with entire industries being transformed through the power of evolving technologies, why should the way you install stay the same?

In this article, we're listing five reasons to go SMART.

Making your life easier

For 35 years, we've been a trailblazer in the access automation space. Battery backup gave you more reliability, the SMARTGUARDair wireless keypad gave you the ultimate in flexibility and ease of installation, and the D5-Evo became an access automation legend.

And now, our award-winning SMART technology is taking the CENTURION experience to the next level.

Every aspect of our SMART technology has been developed to give you an access automation experience unlike any other. From its unique and innovative mechanical footprint for streamlined installation to its many advanced features easily configurable via the tie-in mobile app, SMART is truly the intelligent choice.

- Whip-smart mechanical design makes the unit quick, easy and seamless to install
- Lightning-fast electronic commissioning with just a few taps using an intuitive and interactive mobile application with graphic wizards
- Easy management of remote controls
- Intelligent diagnostic feedback and monitoring of system health in real-time

Using technology to empower you

With our SMART technology, we're putting intelligence and convenience at your fingertips, and the app will guide you through everything from setting the gate limits to programming functionality for the up to 1500 individual remotes that can be stored in the system's memory. You'll also have access to a huge suite of features, including configuring infrared beams and intruder-detection alarms, giving your client the very best in security and peace of mind.

Revolutionising installation

Our SMART technology prioritises the installer experience not only from a mechanical installation perspective, but through the digitisation of touchpoints, most notably the interface used for commissioning the system, which is completely app-based. This innovative approach enables you to master the solution with minimal effort and manual intervention – the app does virtually everything for you! Flipping through the app's screens and settings, you'll find everything to tailor the installation exactly to your client's preferences, from the gate speed to automatic closing, all with clear, full-colour graphic depictions to make your life easier.

Giving your clients the best that the world of access automation has to offer

Our SMART technology has enabled us to deliver the fastest gate motor in its class for the best security and convenience, featuring the most innovative theft protection on the market and reliable dual battery backup to make it ready for any power outage.

Harnessing expandability and unleashing the power of SMART

CENTURION SMART solutions boast a stylish, modern design with elegant lines and bold contours, making them an excellent addition to any gate. Now, let's take a look under the hood. Underneath the unit's striking exterior, you'll not only find its ultra-sophisticated electronics designed to deliver outstanding reliability and functionality, but the interior is spacious and includes a dedicated accessory tray where you can neatly, safely and securely stow complementary solutions such as GSM devices to give your clients a truly powerful security system.



D10 SMART SLIDING GATE OPERATOR

Get the high-performance, maximum endurance D10 SMART sliding gate motor – the best solution for industrial and commercial sites. With state-of-the-art technology, businesses will enjoy unparalleled security and convenience through industry-leading intelligence.

A heavy-duty gearbox ensures reliable operation for up to 750 operations per day – perfect for even the busiest environments – while time-proven battery-driven technology provides the peace of mind you need when your business demands leading-edge access control – no compromise.



MAIN FEATURES

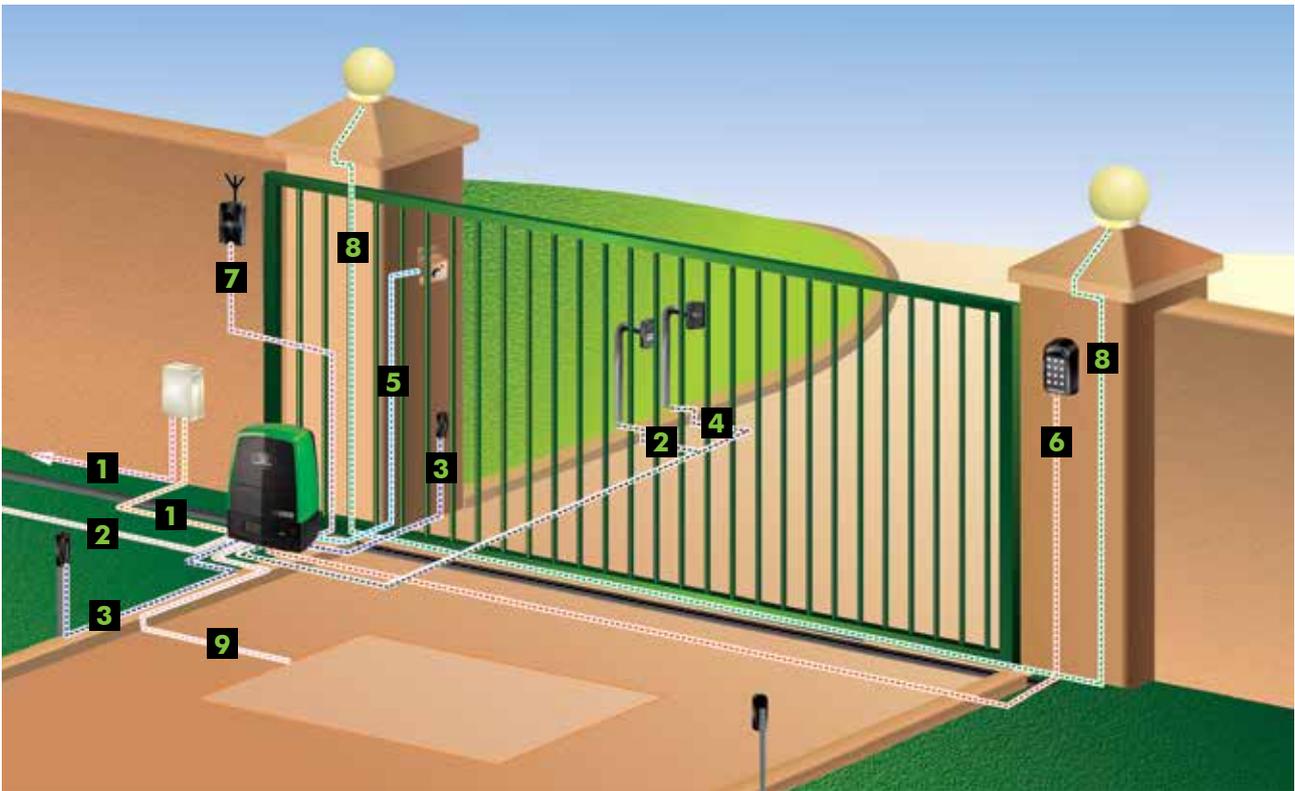
- Extreme endurance and performance – rated for up to 750 operations per day
- Ready for any power outage with reliable battery-driven technology
- Simplified, streamlined installation thanks to SMART hardware
- Innovative theft and break-in protection
- Making lives easier with the friendly and intuitive MyCentsys Pro mobile app
 - Quick and easy commissioning guided by attractive visuals
 - Intelligent management of remote controls
 - Diagnostics and system health feedback
 - Customisable triggers for excellent flexibility

TECHNICAL SPECIFICATIONS

Technical Data	D10-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 ^{3,6}	
Duty cycle - Mains present ^{2,3}	45%	
Motor voltage	24V DC	
Motor power supply	Battery-driven (Standard Capacity - 2x 12V 7.2Ah)	
Current consumption (motor at rated load)	8A	
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	40kgf	
Motor push force - rated	30kgf	
Gate mass - maximum	1000kg	
Gate length - maximum	50m	
Gate speed (varies with load) ⁴	Up to 26m/min ⁴	
Manual Override	Lockable with key release	
Drive Pinion	17T Module 4	
Operations in standby with 2x 7Ah batteries	Operating Modes	
	Power Saving 15m/min 15kgf	Normal 26m/min 15kgf
	Half day ^{2,5,6}	63
	Full day ^{2,5,6}	50
Collision Sensing	Electronic	
Operating temperature range	-15°C to +50°C	
Onboard receiver type	Code-hopping multichannel receiver with selective add and delete	
Receiver code storage capacity	1500 Remotes ⁷	
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
- Refer to the table below for **D10 TURBO SMART**'s recommended gate speed for specified gate masses





CABLING REQUIREMENTS

- D10 SMART:** 220V - 240V AC mains cable via double mains isolator switch (3 core LNE 1.5mm² SWA)¹

Optional Wiring (all cable is multi-stranded):

- Intercom, cable from control box to dwelling (n1⁶ + 6 core³ 0.5mm² multi-stranded) or cable from control box to entry panel (n2² 0.5mm² multi-stranded)
- Infrared Safety Beams (3 core 0.5mm² multi-stranded)
- Access control device (3 core 0.5mm² multi-stranded⁴)
- Pedestrian keyswitch (2 core 0.5mm² multi-stranded) or
- Keypad (3 core 0.5mm² multi-stranded)
- External radio receiver (3 core 0.5mm² multi-stranded⁵)
- Pillar Lights (3 core LNE SWA², size according to power requirements)
- Inductive loop detector for free-exit (1 core 0.5mm² multi-stranded - silicone-coated⁶)

- Possibly increase cable thickness if Pillar Lights are to be installed
- SWA - steel wire armoured. Type of cable must adhere to municipal bylaws and preferably be screened. Screening provides better protection against lightning - earth one end of the screening
- Allows for all features such as Pedestrian Opening, Status LED, etc. to be operated from the intercom handset inside the dwelling

- Number of cores and type of cable could vary depending on the brand of access control system being used
- For optimum range an external radio receiver can be mounted on the wall
- Number of cores required by the intercom

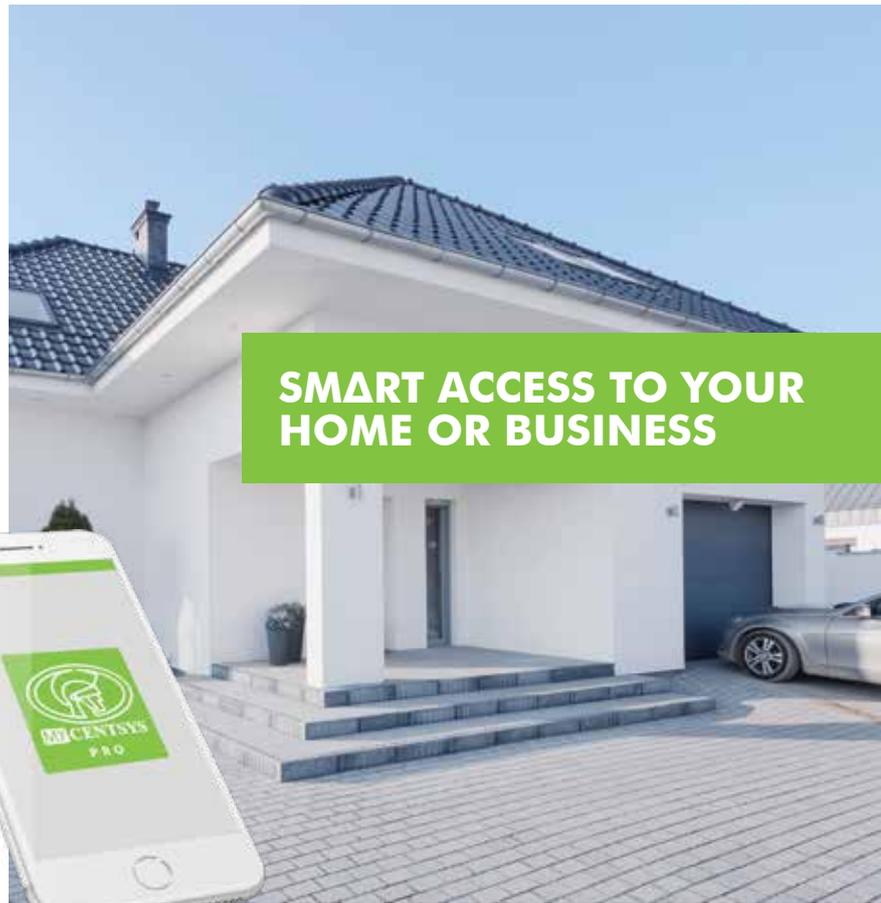
OVERALL DIMENSIONS



RECOMMENDED SPEEDS AND GATE MASSES FOR THE D10 TURBO SMART¹

Max Speed (M/Min)	Gate Mass (Kg)
45	250
41	300
36	400
32	500
29	600 ²
27	700 ²
25	800 ²
24	900 ²
23	1000 ²

- If a D10 Turbo SMART is used on a gate over 250Kg, the speed must be reduced according to the table above to ensure that the gate can be safely stopped in an emergency.
- Centurion Systems (Pty) Ltd recommends the use of a D10 SMART for gates over 500KG.



SMART ACCESS TO YOUR HOME OR BUSINESS

INTELLIGENT SECURITY FOR YOUR GATE

The legendary high-volume performer. The powerhouse of heavy-duty access control. The intelligent choice in commercial and industrial gate automation.

With its powerful 24V motor and die-cast aluminium gearbox, the **D10 SMART** sliding gate motor packs a potent punch, providing excellent security on sites ranging from townhouse complexes and residential estates to busy office parks and warehouse facilities.

Level up with the lightning-fast **D10 Turbo SMART**, the perfect solution for sites requiring high levels of security and capable of moving a gate weighing up to 250kg at a blistering speed of up to 45 meters per minute.

Both operators use a battery-driven high-torque DC motor, coupled to a robust gearbox to provide an automation system that is quick, powerful and battery backed-up – perfect for industrial and commercial applications where heavy gates are installed and reliability is a must.

And now – you can have speed, security, endurance and reliability, quicker and easier than with any other gate motor in the D10's class, thanks to **SMART**

technology and wireless connectivity.

Use the tie-in MyCentsys Pro installer app for wireless and effortless setup of the gate limits and configuration of the operator's many innovative features, as well as instant access to advanced diagnostics and system health. An interactive dashboard and graphic wizards give installers the full **SMART** experience.

Easy to set up and easy on the eye, the **D10 SMART** range has everything you'd expect from the access automation industry leaders.



D10 TURBO SMART SLIDING GATE OPERATOR

Our fastest gate motor yet. For a gate motor that outperforms, outclasses and outpaces the rest, get the lightning-fast D10 Turbo SMART for light-industrial, commercial and residential applications. With an incredible top speed of 50m/minute, the D10 Turbo SMART is the ultimate full-throttle speed machine that tears along at high velocity to put the brakes on tailgating, opening and closing gates in mere seconds



MAIN FEATURES

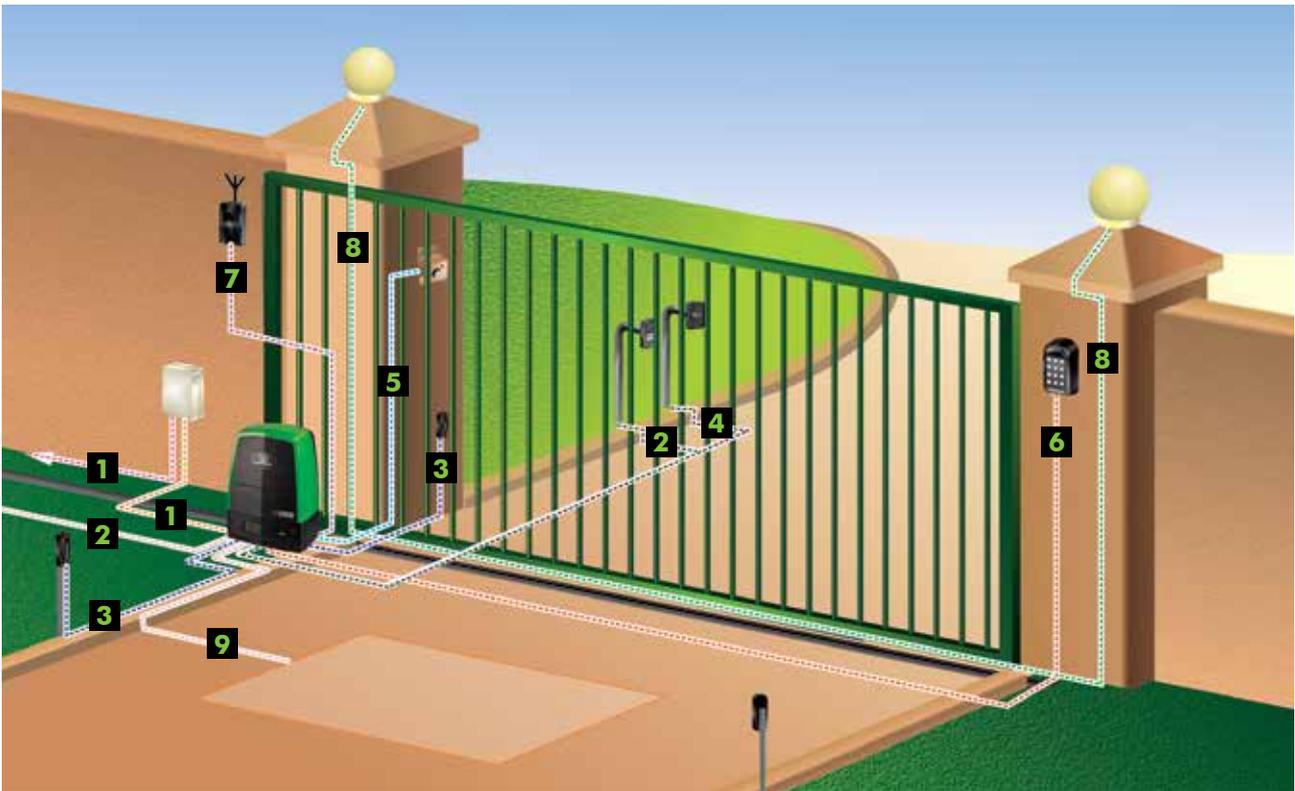
- Turbo speed for the ultimate in security and convenience
- Ready for any power outage with reliable battery-driven technology
- Simplified, streamlined installation thanks to SMART hardware
- Innovative theft and break-in protection
- Making lives easier with the friendly and intuitive MyCentsys Pro mobile app
 - Quick and easy commissioning guided by attractive visuals
 - Intelligent management of remote controls
 - Diagnostics and system health feedback
 - Customisable triggers for excellent flexibility

TECHNICAL SPECIFICATIONS

Technical Data	D10 TURBO-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 ^{3,6}	
Duty cycle - Mains present ^{2,3}	25%	
Motor voltage	24V DC	
Motor power supply	Battery-driven (Standard Capacity - 2x 12V 7.2Ah)	
Current consumption (motor at rated load)	10A	
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	24kgf	
Motor push force - rated	18kgf	
Gate mass - maximum	250kg ⁸	
Gate length - maximum	50m	
Gate speed (varies with load) ⁴	Up to 45m/min ⁸	
Manual Override	Lockable with key release	
Drive Pinion	20T Module 4	
Operations in standby with 2x 7Ah batteries	Operating Modes	
	Power Saving 15m/min 9kgf	Normal 45m/min 9kgf
	Half day ^{2,5,6}	130
Full day ^{2,5,6}	104	
Collision Sensing	Electronic	
Operating temperature range	-15°C to +50°C	
Onboard receiver type	Code-hopping multichannel receiver with selective add and delete	
Receiver code storage capacity	1500 Remotes ⁷	
Receiver frequency	433.92MHz	
Degree of protection	IP54	
Mass of unit packed (with standard kit, but excl. rack and battery)	13.5kg	
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
- Refer to the table below for **D10 TURBO SMART**'s recommended gate speed for specified gates masses





CABLING REQUIREMENTS

- 1. D10 TURBO SMART:** 220V - 240V AC mains cable via double mains isolator switch (3 core LNE 1.5mm² SWA)¹

Optional Wiring (all cable is multi-stranded):

- Intercom, cable from control box to dwelling (n1⁶ + 6 core³ 0.5mm² multi-stranded) or cable from control box to entry panel (n2² 0.5mm² multi-stranded)
 - Infrared Safety Beams (3 core 0.5mm² multi-stranded)
 - Access control device (3 core 0.5mm² multi-stranded⁴)
 - Pedestrian keyswitch (2 core 0.5mm² multi-stranded) or
 - Keypad (3 core 0.5mm² multi-stranded)
 - External radio receiver (3 core 0.5mm² multi-stranded⁵)
 - Pillar Lights (3 core LNE SWA², size according to power requirements)
 - Inductive loop detector for free-exit (1 core 0.5mm² multi-stranded - silicone-coated⁶)
1. Possibly increase cable thickness if Pillar Lights are to be installed
2. SWA - steel wire armoured. Type of cable must adhere to municipal bylaws and preferably be screened. Screening provides better protection against lightning - earth one end of the screening
3. Allows for all features such as Pedestrian Opening, Status LED, etc. to be operated from the intercom handset inside the dwelling
4. Number of cores and type of cable could vary depending on the brand of access control system being used
5. For optimum range an external radio receiver can be mounted on the wall
6. Number of cores required by the intercom

OVERALL DIMENSIONS



RECOMMENDED SPEEDS AND GATE MASSES FOR THE D10 TURBO SMART¹

Max Speed (M/Min)	Gate Mass (Kg)
45	250
41	300
36	400
32	500
29	600 ²
27	700 ²
25	800 ²
24	900 ²
23	1000 ²

- If a D10 Turbo SMART is used on a gate over 250Kg, the speed must be reduced according to the table above to ensure that the gate can be safely stopped in an emergency.
- Centurion Systems (Pty) Ltd recommends the use of a D10 SMART for gates over 500KG.



THE NEW SMART D-SERIES: ARTFULLY INNOVATIVE

Cesar Cruz wrote that “art should disturb the comfortable”. Indeed, art has always been used as a vehicle for big ideas, often reflecting the social climate of the time, becoming not only progressive, but transgressive. From harsh unflinching indictments to soaring celebrations of culture, art is something that can be enjoyed – or at least appreciated – by people from all walks of life. Artists are almost invariably mavericks and risk-takers who are not afraid to go against the grain and put their own unique vision and worldview in a radical, uncompromising way that breaks all kinds of boundaries. They interpret reality in a way that challenges and confronts.

In this article, we’ll be taking a look at how innovation takes a number of cues from art and how the role of creativity in creating technology is becoming increasingly important, with a special focus on our new D-Series range of sliding gate operators.

There is a reason that most exciting innovations of the modern age are being called “disruptive”; because their impact on society is so profound and far-reaching that it causes us to rethink the world.

Innovators are the new rock stars, and the public is always eagerly awaiting the next big breakthrough to come around and change the world.

We’ve always approached our product design not only functionally, but creatively. After all, it’s all about solving problems, and that requires ingenuity, intuition and vision.

The creative furnace of our R & D team has created in the all-new SMART D-Series a range of gate automation solutions that is not only outwardly beautiful - products of a truly artistic vision – but has been developed by applying brushstrokes of innovation to deliver solutions that are singularly sophisticated and, like the most compelling and captivating art, way ahead of their time.

Here are some of the problems that our engineers helped creatively solve in developing the new SMART D-Series gate motors – all to make your life so much easier.

Installation

Mechanically, we have made a number of enhancements to make life easier for installers.

By fitting the height adjustment bolts directly into the gearbox, we have improved on the height and rack mesh adjustments. In turn saving the installer time on site.

We incorporated the lower battery tray with the gearbox trim so when removed, access to the mounting bolts is improved.

Maintaining consistency of the SMART design, we orientated the release handle in the horizontal plane and incorporated a similar override cam in the handle making it easy to leave the operator in the overridden state. This results in a more solid cover and a neater overall appearance.

Neatness

We provided channels underneath the batteries allowing cables to be run neatly to the charger and controller. We also added a cable guide up the side of the motor to help neaten up the wires running to the controller.

Expandability

Following on from the popularity of the ancillary trays and the simpler battery removal process in the D5 Smart, adding these to the new operators was a no brainer. The compartments are easily accessible and provide enough space to house complementary solutions. The ancillary tray can be hinged in the same direction as the controller to make it easier to access the batteries.

Commissioning

MyCentsys Pro has forever changed the way we think about operator configuration, allowing the operator to be set up and configured with just a few taps.

It also incorporates product documentation and the SMART TV portal with various how-to videos for installation. In conjunction with MyCentsys Cloud, you can have a piece of mind knowing that your operator configuration and remotes are securely backed up. The built-in Demo mode allows you to play around with the app without being connected to a physical operator. The app is currently available in six languages, and we plan to grow this number in the very near future.

Security

The SMART performance is ensuring that the gate can be opened as quickly as is feasible with a swift close once you have passed through, leaving no chance for a would-be intruder to follow. In addition, all of the SMART sliders come with an integral vibration sensor, which can be linked to a siren, third party alarm system or an armed response company, helping to prevent theft, tampering, vandalism, forced opening and even break-ins by triggering an output to alert the homeowner should the access point be compromised in any way.

All the other security enhancing features that come standard with the system add further to making the end user’s life easier.

The award-winning D5 SMART is the fastest gate motor in its class, while the lightning-quick D10 Turbo SMART is the ultimate speed machine for residential and light-industrial applications, tearing along at an incredible 50m/minute and providing unmatched security.

The new D-Series is now available from Centurion Systems and leading security distributors nationwide.



D20 SMART INDUSTRIAL SLIDING GATE OPERATOR

A potent powerhouse for peace of mind – that's the D20 SMART: our latest innovative gate automation solution for industrial properties. Equal parts acuity and assertiveness, the D20 SMART heavy-industrial sliding gate motor is powerfully-built to bring the ultimate in security to demanding sites. Experience the power of SMART technology combined with titanic strength.



MAIN FEATURES

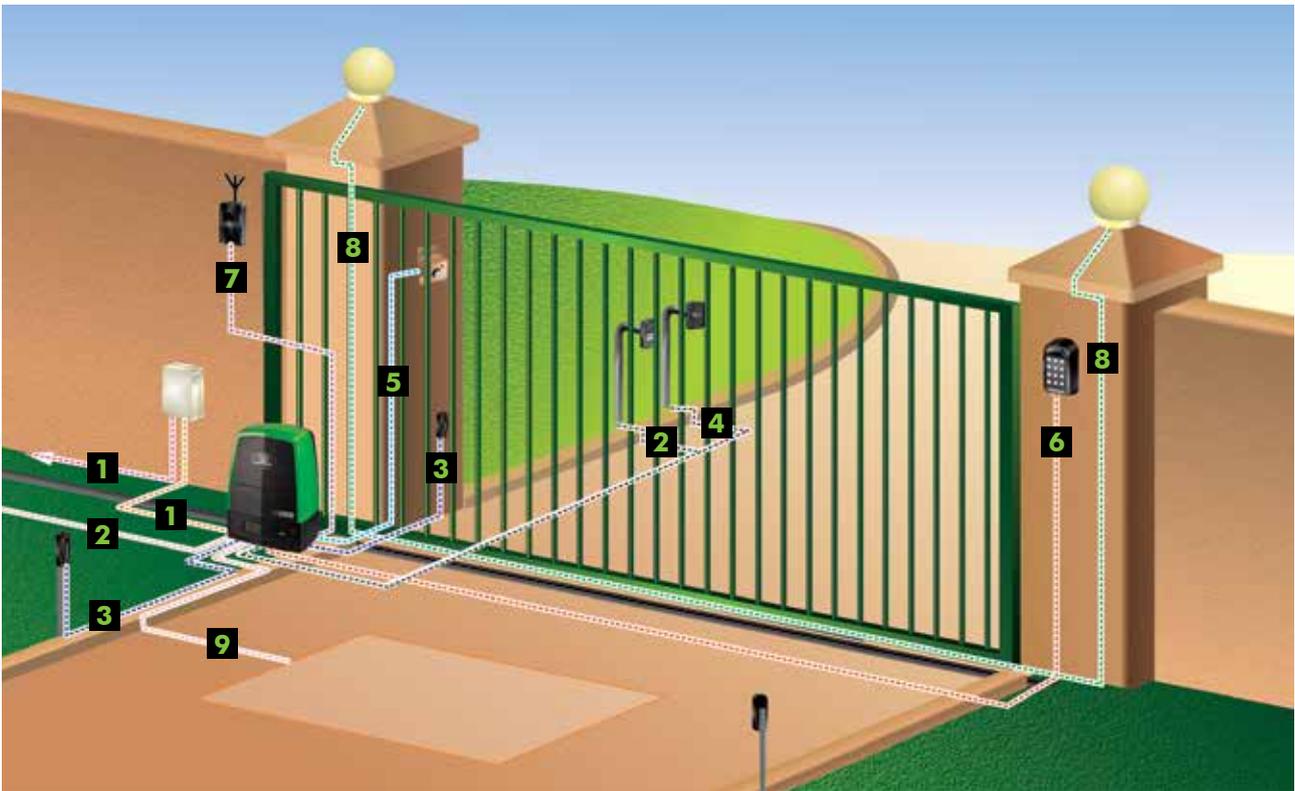
- Powerful – suitable for gates weighing up to 2000kg
- Ruggedly-built to withstand even the harshest operating conditions
- Ready for any power outage with reliable battery-driven technology
- Simplified, streamlined installation thanks to SMART hardware
- Innovative theft and break-in protection
- Making lives easier with the friendly and intuitive MyCentsys Pro mobile app
 - Quick and easy commissioning guided by attractive visuals
 - Intelligent management of remote controls
 - Diagnostics and system health feedback
 - Customisable triggers for excellent flexibility

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 ^{2,5}	
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) ^{2,5}	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	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 ⁶	
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





CABLING REQUIREMENTS

1. **D20 SMART:** 220V - 240V AC mains cable via double mains isolator switch (3 core LNE 1.5mm² SWA)¹

Optional Wiring (all cable is multi-stranded):

- 2. Intercom, cable from control box to dwelling (n1⁶ + 6 core³ 0.5mm² multi-stranded) or cable from control box to entry panel (n2² 0.5mm² multi-stranded)
- 3. Infrared Safety Beams (3 core 0.5mm² multi-stranded)
- 4. Access control device (3 core 0.5mm² multi-stranded⁴)
- 5. Pedestrian keyswitch (2 core 0.5mm² multi-stranded) or
- 6. Keypad (3 core 0.5mm² multi-stranded)
- 7. External radio receiver (3 core 0.5mm² multi-stranded⁵)
- 8. Pillar Lights (3 core LNE SWA², size according to power requirements)
- 9. Inductive loop detector for free-exit (1 core 0.5mm² multi-stranded - silicone-coated⁶)

- 1. Possibly increase cable thickness if Pillar Lights are to be installed
- 2. SWA - steel wire armoured. Type of cable must adhere to municipal bylaws and preferably be screened. Screening provides better protection against lightning - earth one end of the screening
- 3. Allows for all features such as Pedestrian Opening, Status LED, etc. to be operated from the intercom handset inside the dwelling

- 4. Number of cores and type of cable could vary depending on the brand of access control system being used
- 5. For optimum range an external radio receiver can be mounted on the wall
- 6. Number of cores required by the intercom

OVERALL DIMENSIONS



SMART POWER PACK



The 24VDC SMART PowerPack was developed to complement CENTURION 24V gate operators, and is ideal for busy sites that require a higher duty cycle than can be afforded by battery-driven operators, thanks to the fact that the SMART PowerPack can run a rated gate directly off of mains and, therefore, there is no need to ensure that the batteries have enough capacity to deal with the higher duty required on a busy site. The SMART Power Pack is also the perfect match for sites where battery backup is not a concern as the grid is either stable or there are solar or generator solutions in place to ensure that the power supply to the operator is uninterrupted.

For added flexibility, the SMART PowerPack has the option to use batteries for backup in cases where the mains supply is not stable. This allows for a higher duty cycle when mains is present, but also allows the gate to operate should there be an interruption in mains power.

The SMART PowerPack supports higher-capacity batteries, with the battery charge rate effortlessly configurable using the MyCentsys Pro mobile app. Additionally, the Power Pack boasts a built-in charger, obviating the need for purchasing an external unit, thereby saving on costs and adding to the convenience and efficiency offered by this power solution.



SMART POWER PACK

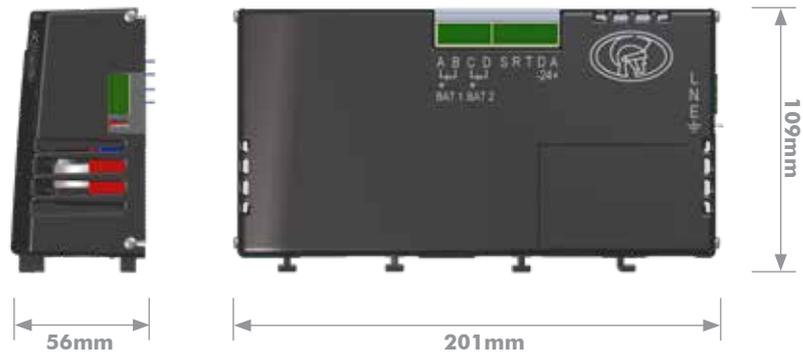
The 24VDC SMART PowerPack was developed to complement CENTURION 24V gate operators, and is ideal for busy sites that require a higher duty cycle than can be afforded by battery-driven operators, thanks to the fact that the SMART PowerPack can run a rated gate directly off of mains and, therefore, there is no need to ensure that the batteries have enough capacity to deal with the higher duty required on a busy site. The SMART Power Pack is also the perfect match for sites where battery backup is not a concern as the grid is either stable or there are solar or generator solutions in place to ensure that the power supply to the operator is uninterrupted.

For added flexibility, the SMART PowerPack has the option to use batteries for backup in cases where the mains supply is not stable. This allows for a higher duty cycle when mains is present, but also allows the gate to operate should there be an interruption in mains power.

The SMART PowerPack supports higher-capacity batteries, with the battery charge rate effortlessly configurable using the MyCentsys Pro mobile app. Additionally, the Power Pack boasts a built-in charger, obviating the need for purchasing an external unit, thereby saving on costs and adding to the convenience and efficiency offered by this power solution.

TECHNICAL SPECIFICATIONS

Technical Data	SMART POWER PACK
Input voltage	220V - 240V AC 50/60Hz
Current consumption (Mains)	2A peak
Battery charger current output	7.5A @ 27.6V +/- 5% (207W) 18A peak (497W)
Maximum number of operations per day	2A, 3.5A, 5A or 7.5A (selectable via the MyCentsys Pro Mobile Application)





STEEL, NYLON RAZ OR NYLON ANGLE RACK
A variety of rack available in different lengths, for different strengths.



CENTURION INFRARED SAFETY BEAMS
Always recommended on any gate or garage door automation installation to increase the safety of the automated system.



P36 PASSIVE SENSITIVE EDGE
Passive sensitive edge provides additional protection against crushing.



THEFT-RESISTANT CAGE
Retro-installable steel cage that increases the resistance of the operator against theft.

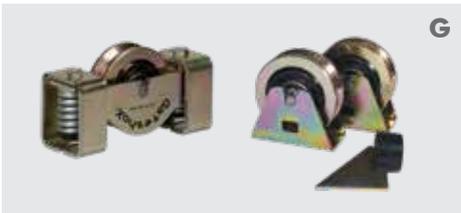


FLUX SA LOOP DETECTOR
Allows free-exit of vehicles from the property (requires ground loop to be fitted).



CENTURION NOVA TRANSMITTER
Incorporates ultra-secure code-hopping technology. Available in one-, two- and four-button variants.

SLIDING GATE OPERATORS



G

WHEEL KITS

A variety of wheel kits are available from Centurion Systems.



H

G-ULTRA GSM DEVICE

The ultimate new GSM solution for monitoring and activating electrical appliances via your mobile phone.



I

SOLAR SUPPLY

Alternative means of powering the system with our 20, 40, 60, 80, 120 or 150 Watt panels.



J

WIZO-LINK MODULE

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



K

SMARTGUARD or SMARTGUARDAIR KEYPAD

Cost-effective and versatile wired or wireless keypad, allowing access for pedestrians.



L

GOOSENECK

Steel pole for mounting intercom gate station or access control.



M

CENTURION INTERCOM SYSTEM

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



N

G-SPEAK ULTRA

Allows you to answer your intercom from anywhere



1 D3 SMART



2 D5-EVO SMART



3 D6 SMART



SMART SERIES controller



CENTURION transmitter



1.3A 24V charger



7.2Ah battery



Passive Sensitive Edge



SMART SERIES foundation plate



Nylon/Steel/RAZ rack



Photon SMART wireless safety beams



SMART POWER PACK



4 D10 SMART



5 D10 TURBO SMART



6 D20 SMART

SLIDING GATE OPERATOR KITS

D3 SMART FULL KIT

1

Product Code: **D3SMARTFK_NYLON2**

- **1 x D3 SMART operator including:**
 - 2 x 4 button CENTURION transmitters B
 - 1 x Foundation plate F
 - 1 x Controller A
 - 1 x 1.3A charger c
- 1 x 7.2A Battery D
- 4m x Nylon angle rack G

D5-EVO SMART FULL KIT

2

Product Code: **D5-EVOSMARTFK_RAZ1 / D5SMARTFK_STEEL2 / SMARTFK_NYLON2**

- **1 x D-EVO SMART operator including:**
 - 2 x 4 button CENTURION transmitters B
 - 1 x Foundation plate F
 - 1 x DX Controller A
 - 1 x 24V 1.8A SM charger c
- 1 x 7.2A Battery D
- 4m x RAZ rack/Steel rack/Nylon angle rack

D6 SMART FULL KIT

3

Product Code: **D6SMARTFK_RAZ1 / D6SMARTFK_STEEL2 / SMARTFK_NYLON2**

- **1 x D6 SMART operator including:**
 - 2 x 4 button CENTURION transmitters B
 - 1 x Foundation plate F
 - 1 x Controller A
 - 1 x 1.3A charger c
- 2 x Battery D
- 4m x RAZ rack/Steel rack/Nylon angle rack G

D10 SMART FULL KIT

4

Product Code: **D10SK_CB_STL1**

- **1 x D10 SMART operator including:**
 - 2 x 4 button CENTURION transmitters B
 - 1 x Foundation plate F
 - 1 x DX Controller A
 - 1 x 24V 1.8A SM charger c
- 2 x 7.2A Battery D
- 4m x Steel rack G

D10 TURBO SMART FULL KIT

5

Product Code: **D10TSK_CB_STL1**

- **1 x D10 TURBO SMART operator including:**
 - 2 x 4 button CENTURION transmitters B
 - 1 x Foundation plate F
 - 1 x DX Controller A
 - 1 x 24V 1.8A SM charger c
- 2 x 7.2A Battery D
- 2 x PE beams H
- 2m Passive sensitive edge E
- 4m x Steel rack G

D20 SMART FULL KIT

6

Product Code: **D20TSK_CB_STL1**

- **1 x D20 SMART operator including:**
 - 2 x 4 button CENTURION transmitters G
 - 1 x Foundation plate S
 - 1 x DX Controller A
 - 1 x 24V 1.8A SM charger N
- 2 x 7.2A Battery N
- 4m x Steel rack G