



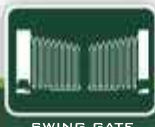
**CENTURION**



**Speed,  
style,  
simplicity!**



SLIDING GATE OPERATORS



SWING GATE OPERATORS



GARAGE DOOR OPERATORS



REMOTE CONTROLS



INTERCOMS



SAFETY BEAMS



KEYPADS





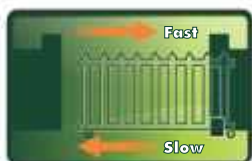
Prepare for your sliding gate to be turbocharged...

A 12V DC battery revs the **D2 Turbo** up to 9000 rpm so it'll move gates weighing up to 250 kilograms at up to 24 metres per minute. Now that's fast!

Sleek, strong, stylish – and even eco-conscious – this operator has it all.

## Main features

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### Choose your speed

Select the Low Speed Profile to make sure your kids and pets are safe. Alternatively, kick it into high gear with the **D2 Turbo's** High Speed Profile to open and close your gate in the blink of an eye. Any criminals trying to follow behind you had better be quick...

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### Always on guard

Reliable battery backup ensures that the **D2 Turbo** remains on high alert, come blackouts, brownouts or night outs on the town. When you get home, your **D2 Turbo** will be standing by to let you in at the touch of a button. For extended standby power you can even upgrade the compact 5Ah battery to a standard 7Ah capacity one.

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### Adaptive collision sensing

Even with the High Speed Profile engaged, our advanced Adaptive Collision Sensing system helps to ensure that your car and your family are out of harm's way.



## Easy installation

The **D2 Turbo** really lives up to its name – even installation is quick. Fit the operator quickly, using a simple foundation plate and clever jacking system. Full access to mounting bolts, easy cable entry and plug-in terminals make finishing the job off even faster.



## Simple setup

The only thing quicker than installing the **D2 Turbo** is setting it up. Use one dial to select the function (e.g. Autoclose Timer) and the other dial to select the relevant option (e.g. 15 seconds). Then push the button and voila! It's ready to go.



## Quick maintenance

The **D2 Turbo**'s integrated controller with an onboard receiver and charger complements its click-together modular design, and makes for lightning quick disassembly, replacement of parts and reassembly.



## Stylish design

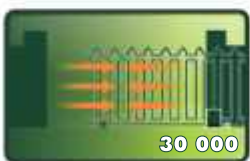
Small but tough – and good looking too! The **D2 Turbo** is a worthy addition to any driveway.



## Onboard multichannel receiver<sup>1</sup>

What is speed without control? Map the buttons on the receiver so that any one button on your remote control can either open the gate fully for a car, partially for a pedestrian or activate Holiday Lockout Mode.

1. CENTURION code-hopping technology



## Reliable operation

Just like every CENTURION product, you can count on the **D2 Turbo** to look after your home for a very long time. Advanced engineering polymers and smart design combine to create an operator that runs for over 30,000 cycles. That's around ten years of moving an average domestic gate!





SLIDING GATE OPERATORS



### Lockable, easy manual override

The **D2 Turbo** is strong – so you don't have to be. One quarter-turn of the manual override wheel and your gate's in Manual Mode. A lock-protected mechanism makes sure that it's not so easy for a criminal to do it!



### Electrical spike protection

Whatever electrical spikes are thrown at the **D2 Turbo**, be it lightning or an electrical surge from your local power grid, the **D2 Turbo** can handle just about anything.

Rest easy knowing that the **D2 Turbo** will continue to stand guard, ensuring that you can always get in.



### Minimal materials used for construction - almost 100% recyclable

Tested in the factory, in the field, and then tested some more, the **D2 Turbo** has been optimised for maximum performance using minimal materials and is one of the first 'green'



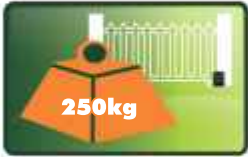
### Forever yours

We know that this compact companion will serve you well – year, after year, after year. So just like all other CENTURION products, your beautiful **D2 Turbo** operator also comes with an industry-leading 24 month warranty for added peace of mind.



### Compact, but TOUGH!

Built for speed and safety, this baby can quickly and safely move gates weighing up to 250kg! Nothing's going to slow your **D2 Turbo** down.



### Pick your profile?

With Multiple Operating Profiles to choose from, your **D2 Turbo** can operate your gate the way YOU want it to. Choose from Standard, Open Only or Reversing Mode. This operator can handle them all – add Autoclose and PIRAC Modes and you've got the quickest, safest and smartest access automation on the block.









## D2 Turbo controller features

### Hardware features


- Fully sealed plastic housing for controller to prevent ingress of dirt and insects
- Easy setup of controller using the Function and Setting Dials and the pushbutton
- Removable connectors on controller for easy maintenance
- Watchdog IC ensures full and safe operation of the controller
- Optional Backup Memory Module allows backing up of all the information that has been set up in the system


### Electronic features

- Opening and closing safety beam inputs with beam circuit functional test 
- High security cleared-beam Autoclose, in conjunction with safety beam (PIRAC) 
- Multiple Modes of Operation: Standard Mode, Open Only Mode (multi-user), Reversing Mode, and two with operator Pre-flashing Modes
- Automatic closing with adjustable time delay, and pushbutton override
- Remote gate-status indicator (gate position, power failure, low battery, multiple collision detection and Pillar Light status indication) 
- Pedestrian Opening 
- Holiday Lockout 
- Courtesy / Pillar Light Timer (Fixed duration), with pre-delays and two Pre-flashing Modes 
- Selectable gate speed modes - Low Speed/High Speed (High Speed is the default)
- Positive Close Mode (e.g. ensure activation of electric fence contact switch)
- Onboard multichannel code-hopping receiver with the ability to learn remote control buttons to specific functions (e.g. Gate trigger, Pedestrian Opening, Holiday Lockout)

 Infrared Safety Beam or equivalent detection device must be fitted

 Remote LED must be fitted

 Onboard receiver must be used, or external access control device such as a keypad or keyswitch must be fitted

 Pillar lights / Pre-flashing Warning Light must be fitted





## Accessories



**Nylon RAZ or Nylon angle rack**  
A variety of rack available in different lengths



**CENTURION Infrared beams**  
Always recommended on any gate automation installation



**P36**  
Passive sensitive edge provides additional protection against crushing



**Theft-resistant cage** This 304 grade brushed stainless steel cage increases the resistance of the operator against theft (Operator not included)



**Theft-resistant Nut and Discus Padlock** High security has never been so simple! This kit maximises theft-resistance of the installation



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



**SOLO/Lattice Proximity Access Control System**  
Proximity reader allowing for access to both pedestrians and vehicles, while offering a higher level of security than a keypad



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



**G-SWITCH-22 devices**  
Allows for monitoring and activating the operator, via your phone, from anywhere in the world that has GSM network coverage



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



**Backup Memory Module** Back up all the transmitters and operating details set up in the controller



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



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



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

## Technical specifications

### D2 Turbo sliding gate operator

Input voltage	220V - 240V AC $\pm$ 10%, 50Hz*
Motor voltage	12V DC
Motor power supply	Battery driven (standard capacity - 12V 5Ah) <sup>+</sup>
Battery charger*	1A @ 14.2V (charging voltage 13.76V)
Current consumption (mains)	70mA
Current consumption (motor at rated load)	8A
Operator push force - starting	18kgf
Operator push force - rated	9kgf
Gate mass - maximum	250kg
Gate length - maximum	20m
Gate speed (varies with load) <sup>⊕</sup>	24m/min
Manual override	Manual override wheel lockable with key release
Maximum number of operations per day	Ten (Based on ten year life expectancy)
Duty cycle - mains present**	50%
Operations in standby with 5Ah battery	
Half day <sup>⊕</sup>	30
Full day <sup>⊕</sup>	15
Collision sensing	Electronic
Operating temperature range	-15°C to +50°C
Onboard receiver type	CENTURION code-hopping technology, multichannel output
Receiver code storage capacity	32 transmitter buttons
Receiver frequency	433MHz
Mass of unit packed (with standard kit, but excl. rack and battery)	4.83kg
Packaging dimensions (with standard kit, but excl. rack and battery)	253mm wide x 183mm deep x 330mm high

\* Can operate off a solar supply, consult your CENTURION dealer for assistance

+ Can increase battery capacity to 7Ah for longer standby times

⊕ Gate operating speeds can be configured to run slower depending on the requirements of individual installations

\*\* 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 four metre gate, excluding infrared safety beams

## Overall dimensions

