





GARAGE DOOR OPERATORS

Centurion Systems offers automation solutions for all the major garage door types, including tip-up, sectional and roll-up. Our garage door operators are whisper-quiet, easy to install and, above all else, supremely reliable.



SDO4 SMART GARAGE DOOR OPERATOR

Choose the garage door motor that gives you more security and more reliability than any other product on the market. Its ingenious design doesn't just make life easier for the installer, but makes for a truly premium experience thanks to its smooth, whisper-quiet movement. This innovative operator also boasts our award-winning SMART technology and is jam-packed with cutting edge features for the ultimate in functionality and flexibility.



MAIN FEATURES

- Whisper-quiet movement thanks to belt-driven drive mechanism
- Reliable battery-driven technology
- The easiest garage door motor to install
- Clever and commanding with a powerful DC motor complemented by the most sophisticated technology
- Innovative vibration sensor guards against tampering, break-ins and forced openings
- 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

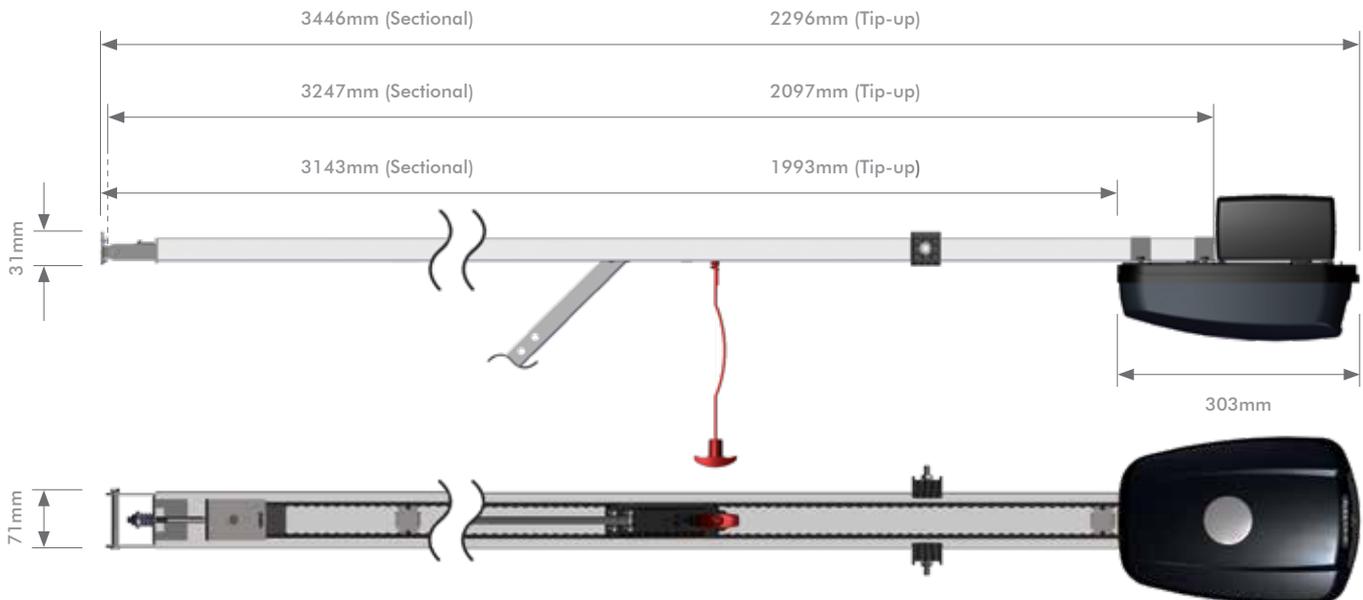
Technical Data	T10	T12
Input voltage	230V AC +/-10% @ 50/60Hz ¹	
Motor voltage ¹	24V DC	
Motor power supply - rated ²	80W DC	100W DC
Motor supply	Battery supply 2 x 3.4Ah 12V DC	
Maximum door width	6.5 metres	
Maximum door area	12 Square meters	15 Square meters
Maximum push/pull force	40kgf	50kgf
Maximum lifting capacity	1000N	1200N
Operations in standby mode	Up to 90 dependent on door size, weight, height and duration of power failure / condition of batteries	
Maximum operator travel speed ³	9m/min	
Door travel adjustment	Physical end-stops (Automatic limit set)	
Safety obstruction force system	Built-in menu	
Light	LED 2W	
Autoclose ²	Menu Selectable	
Infrared safety beams	Menu Selctable (Optional but recommended)	
Onboard receiver type	Code-hopping single channel	
Receiver code storage capacity	20x 4-Button Transmitters	
Receiver frequency	433.92Mhz	

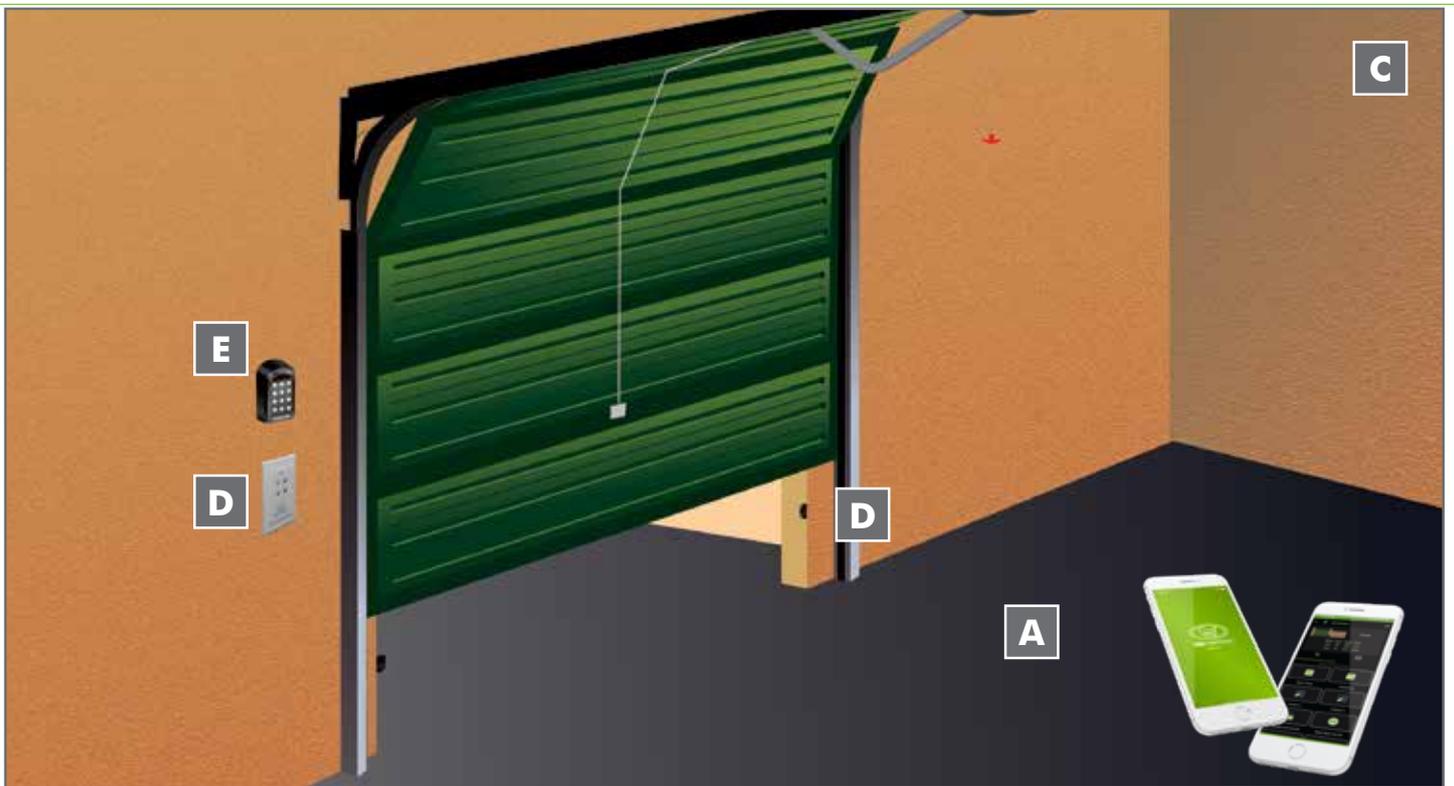
1. Can operate off a solar supply, consult Centurion Systems for assistance

2. Can increase battery capacity for longer standby times

3. Speed varies with load

OVERALL DIMENSIONS





A

CENTURION TRANSMITTERS

Available in one-, two- and four-button variants. Incorporates ultra-secure code-hopping encryption (two four-button transmitters are included with each SDO4 kit)



B

CENTURION INFRARED SAFETY BEAMS

Always recommended on any gate automation installation to increase the safety of the automated system.



C

WIZO-LINK MODULE

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



D

WIRELESS WALL SWITCH

The four-button Wireless Wall Switch can operate the door, turn on the light and activate Holiday Lockout all without running any unsightly wires (Only included with T12 model)



E

SMARTGUARD OR SMARTGUARDair KEYPAD

Cost-effective and versatile wired and wireless keypads, allowing access to pedestrians



8 GREAT REASONS TO GET THE SDO4 SMART

In the 1960s, Canadian philosopher Marshall McLuhan developed a theoretical framework for understanding media in terms not only of its contents, but also its characteristics, which he expressed through the phrase “the medium is the message”. McLuhan’s pioneering work in the field of media studies enables us to see human artefacts in the context of the role that they fulfil in society. Notably, McLuhan also advanced a hypothesis that the objects we create become extensions of ourselves, for example the wheel being an extension of the foot, the book being an extension of the eye, et cetera.

This anthropomorphisation and externalisation are certainly evident in architecture and how we use space to portray intrinsic human characteristics, with the use of home space being a prime example as it embodies the emotions, such as safety, security and comfort that we experience in inhabiting this space as well as reflecting who we are. As Alexia Mercieca puts it: “[it] is the human element that makes the building what it is, gives it a use, sets a scale and defines its use in society”.

Another perspective to consider when thinking about homes is denotative and connotative meaning, i.e. the meaning that we ascribe to the word. There is the standard, dictionary definition of some sort of building for human habitation but, on an emotional level, home is a place that we equate with concepts such as family, memories and peace of mind.

With the garage being an extension of your home and your home being an extension of you, make sure that your garage door gives you the very best security and convenience by choosing the all-new SDO4 SMART garage door motor for tip-up and sectional doors.

Here’s why:

Smooth and silent movement

Who says you have to be loud to make a statement? With such silent movement, the SDO4 SMART exudes elegance and sophistication and makes for an automated garage door that will be music to your ears.

Reliability

The SDO4 SMART doesn’t cut any corners when it comes to your peace of mind and is ruggedly-built for daily use. The combination of a structurally solid body and the most innovative technology incorporating state-of-the-art motor control circuitry for unflinching accuracy makes the SDO4 SMART the last garage door motor you’ll ever have to buy.

Not only does the SDO4 SMART deliver the highest level of reliability thanks to its high-performance design, but the SMART controller actively monitors system health and provides intelligent diagnostic feedback that your installer can easily access using an intuitive and user-friendly mobile app.

Safety

You’ll rest easier with the SDO SMART garage door motor. With built-in safety features and cutting edge, time-proven obstruction detection technology that immediately stops and reverses the

door, the SDO SMART guards against mishaps and ensures that the door can be operated in absolute safety.

In addition, the SDO4 SMART is compatible with our new Photon SMART fully wireless infrared safety beams. The beams install in minutes, and combine the best features of our SDO4 SMART garage door motor with the power of wireless technology to give you a safe garage door in no time at all.

Security

Utilising an integrated vibration sensor, this ever-vigilant garage door operator is your defence against tampering and forced openings, alerting you via the alarm output to any would-be criminals trying their luck with your garage door. It’s security made SMART!

Adjustable speed*

With the SDO4 SMART, you choose the speed. Fine-tune and customise your experience to match your preferences and master your garage door with the ultimate in control. Whether you want your door to open and close quickly for maximum security, or you prefer more tempered movement, the SDO4 SMART gets it just right.

Powerful

Give your garage door the gift of lift! With boosted performance thanks to its powerful DC motor, the SDO4 SMART garage door motor is as commanding as it’s clever. This hard-driving, souped-up machine boasts an incredible 1000 Newton lifting capacity (1200N for the T12), which means that it’s not only strong enough to lift wide, heavy doors, but it’s faster, more reliable and much smoother than any other garage door motor in its class.

Flexibility

Equipped to tip and exceptional for sectional, the new SDO4 garage door motor offers the ultimate in versatility. Choose between two options – the SDO4 is easily adapted to suit your needs. Whatever your garage door type, this innovative and intelligent operator is optimised for the exact application, giving you the highest level of comfort and reliability.

The SDO4 SMART also boasts a wide range of customising options. Thanks to programmable channels, you control every aspect of your garage door with more choice and more freedom than ever before. Added to that, you can now control an external courtesy light while also having the option of using one of the IOs to indicate a tamper alarm.

Battery backup

It’s time to show load-shedding the door – literally! The SDO4 SMART is the always-on solution for garage doors that shrugs off the rolling power outages that has been causing so much frustration the past month or so. With extended battery backup, you won’t have to give up your comfort, security and convenience when the lights go out.

*When configured for a tip-up door



RDO II GARAGE DOOR OPERATOR

Introducing our state-of-the-art RDO II roll-up garage door motor. Powered by a high-torque 24V DC motor, it operates with a level of quiet sophistication that may prompt you to visually confirm its motion. Even in the event of a power outage, the RDO II stands resilient, thanks to its dependable battery-driven technology ensuring uninterrupted operation. Safety and security are paramount in every operation. The RDO II incorporates CENTURION's cutting-edge code-hopping remote controls and features an anti-crushing sensitivity mechanism, providing a comprehensive safeguard for your peace of mind



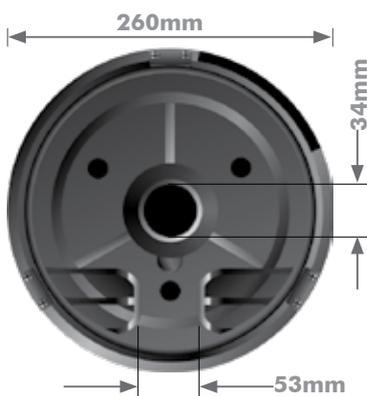
MAIN FEATURES

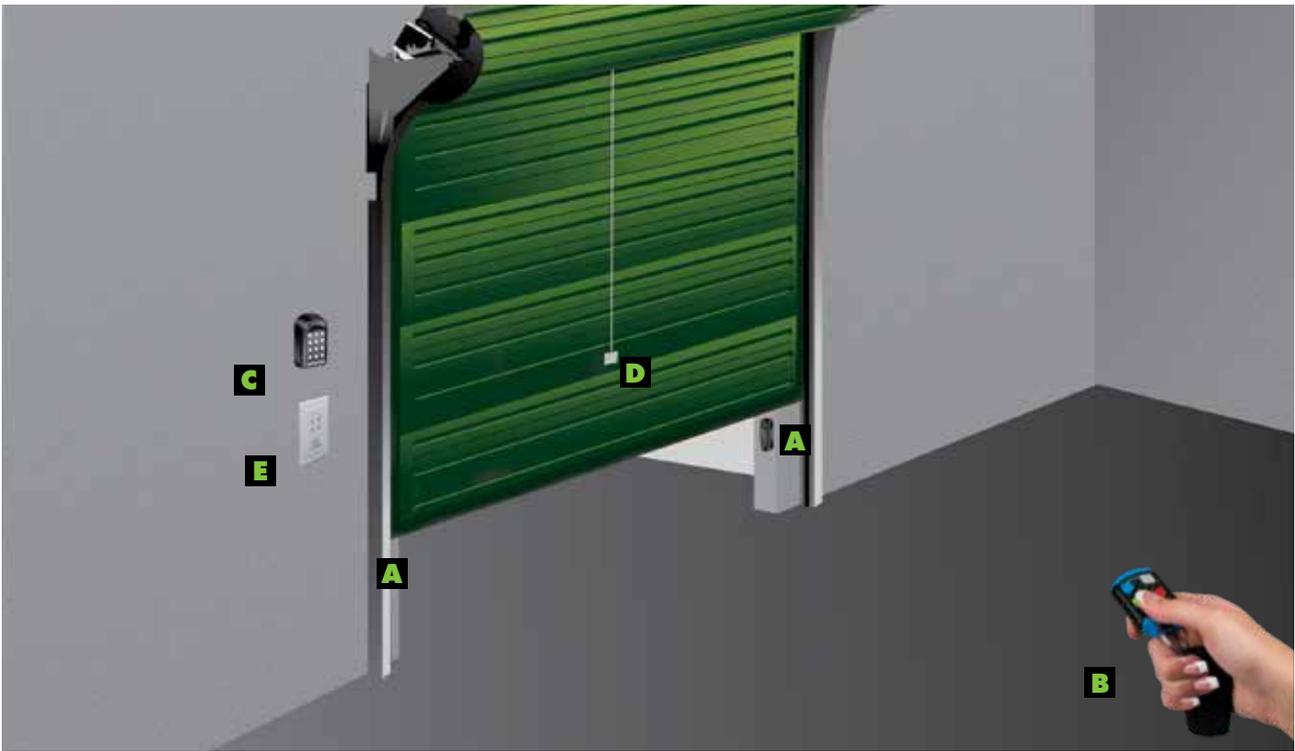
- Battery-driven technology
- Whisper-quiet operation
- Strong lifting capability
- Quick and easy installation
- Anti-crushing protection for greater safety
- Convenient manual override
- Onboard CENTURION code-hopping multichannel receiver with selective add and delete
- Activate up to four different features
 - Open and close the garage door
 - Switch the Courtesy Light on and off
 - Electronically lock the system for greater security
 - Override the Autoclose facility
- Wall-mounted controller with Courtesy Light – bathes entrance in light whenever is activated and remains on for a pre-set period of time afterwards

TECHNICAL SPECIFICATIONS

Technical Data	RDO II
Input voltage ¹	220V AC +/-10% @ 50Hz
Motor voltage ²	24V DC
Motor power supply	Battery driven (standard capacity - 1.2Ah)
Battery charger	Plug-In Charger - 250mA @ 13.8V +/- 1%
Current consumption (mains supply)	60mA
Current consumption (motor rated / peak load)	3/10 A
Current consumption (quiescent load)	50mA
Opening speed	100 - 150 mm/sec
Maximum daily cycles	50 cycles/day
Design Life	30 000 cycles
Operations in standby with 1.2Ah battery	40 cycles
Collision sensing	electronic
Operating temperature	-15°C to +50°C
Degree of protection	IP54
Controller incorporated	XTRAC Controller
Onboard receiver type	NOVA code-hopping onboard, multichannel
Receiver frequency	433 MHz
Receiver code storage capacity	22 Buttons
Mass of unit packed	7kg
Packing dimensions	Length: 330mm x Width: 288mm x Height: 180mm

1. Can operate off a solar supply, consult Centurion Systems for assistance
2. Can increase battery capacity for longer standby times





GARAGE DOOR OPERATOR ACCESSORIES



CENTURION INFRARED SAFETY BEAMS

Always recommended on any gate or garage automation installation to increase the safety of the automated system.



CENTURION NOVA TRANSMITTER

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



SMARTGUARD or SMARTGUARDair KEYPAD

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



EXTERNAL MANUAL OVERRIDE

Key-operated release for convenient manual override of door opener from the outside.



WIRELESS WALL SWITCH

The four-button Wireless Wall Switch can operate the door, turn on the light and activate Holiday Lockout all without running any unsightly wires



1 RDO II



A

CENTURION
NOVA transmitter



B

Wireless Wall Switch



C

1.2Ah / 3Ah battery



D

RDO controller



E

Plug-in charger



F

RDO weight bar

RDO II OPERATOR FULL KIT

2

Product Code: **RDO0001**

- **1 x RDO II operator:**
 - Controller **D**
 - 2 x Four-button CENTURION transmitters **A**
 - 2 x 1.2Ah batteries **C**
 - Weight bar **F**
 - Plug-in charger **E**