



CENTURION
THE AUTOMATIC CHOICE

www.centsys.co.za



**Tried,
tested,
perfected!**



SLIDING GATE OPERATORS



SWING GATE OPERATORS



GARAGE DOOR OPERATORS



REMOTE CONTROLS



INTERCOMS



SAFETY BEAMS



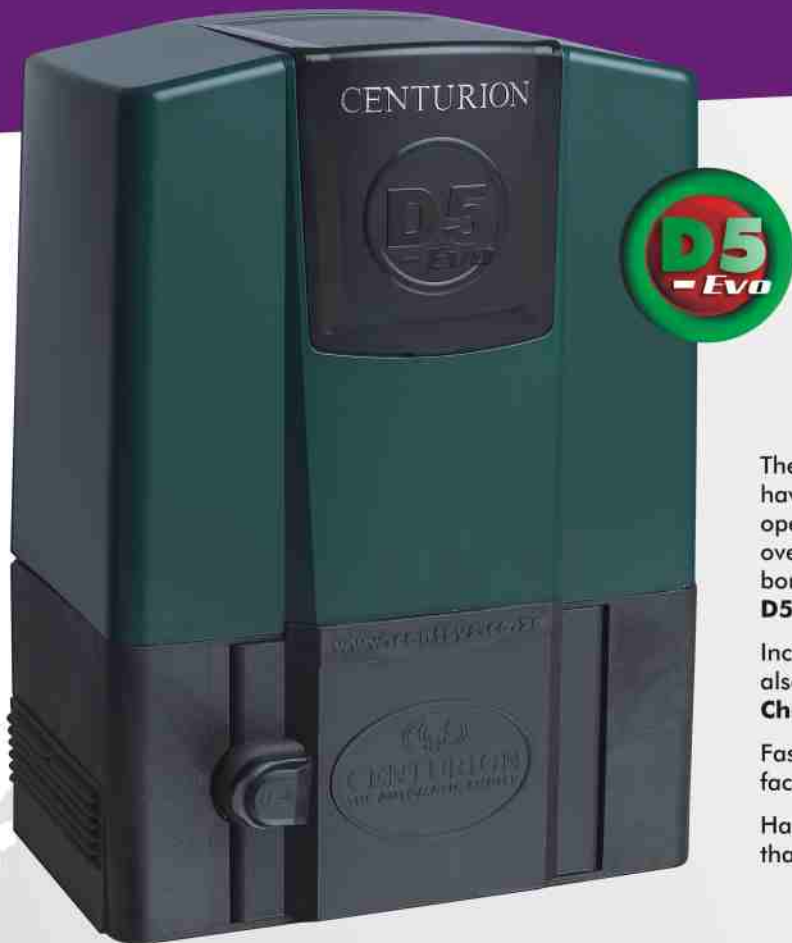
KEYPADS



ISO 9001:2000



Established 1986



They say you can't improve upon perfection. Well, they obviously haven't seen the **D5 Evo**. One of the most durable and reliable operators ever made, the legendary D5 is renowned the world over. Many years later, old 'tried and tested' gets perfected. We borrowed what we learned from the D10 and applied it to the **D5 Evo**.

Incorporating a 12V version of the D10 controller, the **D5 Evo** also offers a wide range of useful features including **ChronoGuard** (patent pending) timer functionality.

Faster, smarter and easier to set up, old faithful even got a facelift and now looks more like his D10 cousin.

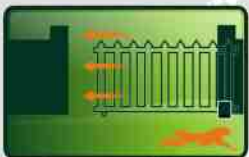
Hard as nails and loyal to the end, you can sleep easy knowing that this Centurion is on guard.

Main Features



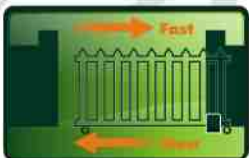
Battery backup

We pioneered power failure protection in gate motors. So in line with all our other operators, the **D5 Evo** carries on guarding your entrance even when the lights go out.



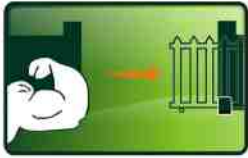
All important speed

The original D5 made a mark for itself being a quick operator opening the gate swiftly when you arrive at your entrance. The **D5 Evo** is now that little bit faster opening your average four metre gate in less than twelve seconds adding even more security and convenience.



Open it the way you like it...

Rapid opening but a more tempered closing just in case a loved one is in the way, that's the sort of sophistication in motor control you can expect from the **D5 Evo**. Added to this, you can vary the acceleration and deceleration of your gate and make it move so smoothly it will do so for many years to come.



Pushes like a mule

Such a compact package but such a potent push force, it will reliably move almost any gate weighing up to 500kg and do it for a very long time.



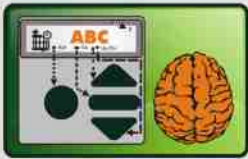
Wide awake all the time!

Incorporating the tried and tested DOSS position control system of its predecessors, the D3 and D5, **D5 Evo** moves accurately open and closed stopping in just the right spot each and every time. It's also wide awake for any obstruction that might cross its path ensuring safe and sensitive anti-crushing protection.



It will turn heads

D5 Evo takes on a new and more attractive look compared to the original D5. It's nice to know that even your trusty gate guard will turn heads.



Plug and play

Its LCD based controller makes child's play of setting up the gate. It is literally plug and play, the **D5 Evo's** controller does all the thinking for you.



It's got it all

What a pleasure to click through an almost endless list of really useful features from multiple modes of operation, gate operating parameters, pillar light control with pre-flash, alarm functions, positive close mode, seven day timer to helpful diagnostic feedback. It just stops short of making the coffee!



Operate wirelessly, thanks to NOVA*

Besides its KEELOQ™ rolling code technology offering the highest level remote control security, this NOVA onboard receiver is both multi channel and multi-user. It allows a multi button remote to operate any combination of the system inputs such as gate trigger, pedestrian opening, holiday lockout etc. It stores up to 125 remotes and amongst other access control features, it provides the ability to selectively add and delete remotes saved into its memory.

*NOVA rolling code (Keeloq™ protocol)





SLIDING GATE OPERATORS



Not just a guard, also an alarm

We did say that the **D5 Evo** stands guard at your gate. Try and loiter at the entrance, or fiddle with safety beams to hold the gate open, **D5 Evo's** ambush and break-in alarm functions will let you know that something is untoward and ensure that you keep would-be intruders at bay.



Controller features

Hardware

- Fully sealed plastic housing for controller to prevent ingress of dirt and insects
- Easy setup of controller using LCD user interface
- Removable connectors on controller for easy maintenance
- Watchdog IC ensures full and safe operation of controller
- Optional memory module allows backing up of all information set up in the system

Firmware

- Built-in multichannel NOVA rolling code (Keeloq™ protocol) with selective deletion of remotes
- Multiple modes of operation including standard mode, multi-user/condominium mode and reversing
- Full configuration of gate operating parameters including independent gate opening and closing speeds, ramp-up and ramp-down distances and crawl speed
- Automatic closing with adjustable time, pushbutton override and selectable according to gate status
- Positive close mode
- Multiple operating profiles to suit region – select between ZA, CE, etc.
- Integrated ChronoGuard (patent pending) seven day timer and time barring functionality

Optional auxiliaries

- Pedestrian opening (adjustable opening and auto-close time)
- Remote gate status indicator (gate position, power failure, low battery, multiple collision detection and pillar-light status indication)
- Courtesy / Pillar light timer with adjustable time
- Fully configurable pre-delays with multi-modal pre-flash
- Opening and closing safety beam inputs with beam circuit functional test
- Beam auto-close in conjunction with safety beam (PIRAC) break-in and ambush alarm with configurable outputs via onboard buzzer, pillar light relay, etc.
- Holiday lockout – configurable as emergency stop
- Free-exit facility



ChronoGuard timer functionality

The **ChronoGuard** (patent pending) gives your **D5 Evo** the power of having a built-in seven day timer that can automatically control all the physical inputs on the operator. For instance:



Why not switch on your pillar lights when the sun goes down or enable your holiday lockout when you go to bed?



Better still - disable the remotes controls when you really want to keep the gates shut. Now you don't need to worry about your staff being there when you aren't.



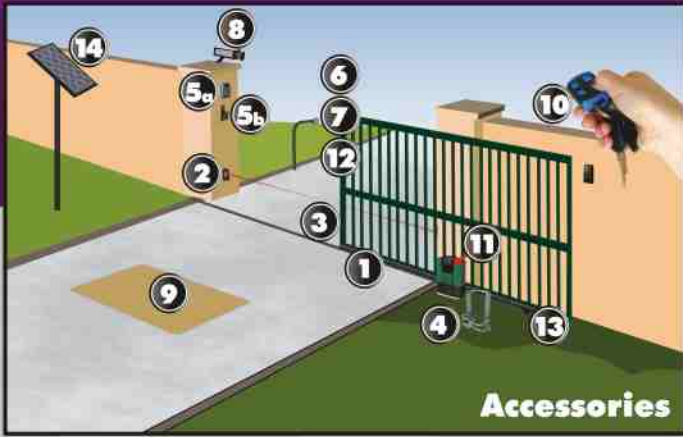
The **ChronoGuard** (patent pending) can time bar your NOVA rolling code (Keeloq™ protocol) transmitters. Your staff can get in on weekdays – but can be locked out over the weekend or on public holidays.

ChronoGuard features

1. Activate any of the physical inputs to the controller. (FRX, PED, LIT, LCK, X10, IRBC) via an onboard timer
2. Time bar the following physical inputs (TRG, FRX, PED, LCK, LIT)
3. Time bar individual remote buttons learned into the onboard receiver where the time barring is associated with the functionality of the button
4. Onboard timer has the following functionality
 - 100 time periods
 - Set time period for weekdays
 - Set time period for weekends
 - Set time period for any day of the week
 - Set time period for everyday of the week
 - Allow for holidays or special events during the year
 - Repeat fixed holidays on an annual basis
 - Multiple time periods during the day
5. Real time clock is backed up for at least one hour without connection to system battery supply



SLIDING GATE OPERATORS



Accessories



Steel, RAZ or Nylon angle rack
A variety of rack available in different lengths, for different strengths



i5 Infrared beams
Always recommended on any gate automation installation



P36
Passive sensitive edge, provides additional protection against crushing



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



SMARTGUARD keypad
Cost-effective and versatile keypad for allowing access for pedestrians, armed response companies, etc.



Pedestrian keyswitch
Basic key operated switch for allowing access for pedestrians



SOLO/Lattice proximity access control
Proximity reader for allowing access for both pedestrians and vehicles offering a higher level of security than the keypad



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



POLOview surveillance
Enhances the POLOphone by providing CCTV at the gate



Inductive loop detector
Allows free exit of vehicle from the property - requires ground loop to be fitted



Nova transmitters
Available in one, two, three and four button variants. Incorporates KEELQ™ ultra-secure rolling code protocol



Memory module
Back up all the remotes and operating details set up in the controller



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



Wheel kits
A variety of wheel kits are available from Centurion



Solar supply
Alternative means of powering the system - consult Centurion for details

Technical specifications

D5 Evo sliding gate operator

Input voltage	220V ± 10%, 50Hz*
Motor voltage	12V DC
Motor power supply	Battery driven (standard capacity - 7Ah) [†]
Battery charger*	CP84SM - 2A @ 13.8V
Current consumption (mains)	170mA
Current consumption (motor at rated load)	10A
Operator push force - starting	30kgf
Operator push force - rated	20kgf
Gate mass - maximum	500kg
Gate length - maximum	20m
Gate speed (varies with load)	18-22 m/min
Manual override	Thumbwheel behind locked door with key release
Maximum number of operations per day	150
Duty cycle - mains present**	50%
Operations in standby with 7Ah battery †	
half day	44
full day	35
Collision sensing	electronic
Operating temperature range	-15°C to +50°C
Onboard receiver type	NOVA rolling code (Keeloq™ protocol) multichannel
Receiver code storage capacity	125 transmitter buttons
Receiver frequency	433MHz
Mass of unit packed (standard kit, excl. rack and battery)	9.5kg
Packing dimensions (standard kit, excl. rack and battery)	300mm long x 220mm wide x 420mm high

* Can operate off a solar supply, consult Centurion for assistance

† Can increase battery capacity for longer standby times

** 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

