



D5-EVO SLIDING GATE OPERATORS

D5-Evo: The light-industrial **D5-Evo** is an evolution of the tried and tested D5, 500kg operator for domestic and light-industrial applications. Potent push force, along with intelligent speed control and smooth opening and closing, makes the **D5-Evo** the automatic choice for large private residences and complexes requiring reliable, feature-rich gate automation. The D5-Evo is also suitable for solar-powered applications.

D5-Evo Low-voltage: This variant enables you to enjoy all the amazing features and functionality of the flagship **D5-Evo** – even if you don't have mains power at the gate. All that is needed to breathe life into the feature-rich LCD controller is a low-voltage input, easily obtainable via a step-down transformer, dramatically reducing installation costs where 240V are not already provided at the gate.

MAIN FEATURES

Mechanical Features

- Lockable, easy manual override
- Custom-engineered gearbox moulded from corrosion-proof, durable engineering polymer
- High-security, irreversible steel gearset

Electronic Features

- Solar-power ready
- Save on cabling costs - no thick, expensive high-voltage cables (D5-Evo Low voltage)
- LCD interface - exceptionally easy setup with visual and audible fault-finding and notifications
- Advanced diagnostic screens indicating:
 - Battery-low
 - Battery charge level
 - Fuse blown
 - High current draw
 - Details of the last transmitter activated
 - Health of the drive electronics
 - Currently-activated gate inputs
 - See Diagnostics Made Easy booklet for further details
- Intelligent speed control - high-speed for greater security and convenience; slower speed for increased safety.

- Local test button can be deactivated for added security
- Sensitive anti-crushing protection for greater safety
- Integrated ChronoGuard timer functionality (a world first) - Time-barring and Autoactivation features for switching on Pillar Lights, deactivating ground loops, etc.
- Multiple operating features including Intruder-detection Alarm Modes (a world first)
- Remote gate-status indicator (gate position, power failure, low battery, multiple collision detection and Pillar Light Status indication)
- Onboard multichannel CENTSYS code-hopping receiver incorporating the following functionality:
 - Selective adding and deleting of transmitters
 - Onboard receiver can be disabled
 - 500 transmitter button memory
 - Automatic administrative features like Delete-Not-Present
- Opening and Closing PE Beam Inputs
- Integrated Safety Beam Test hardware to ensure the beams are always working correctly

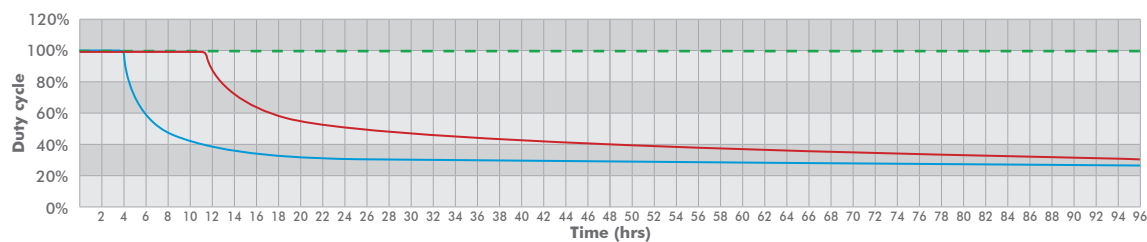


TECHNICAL SPECIFICATIONS

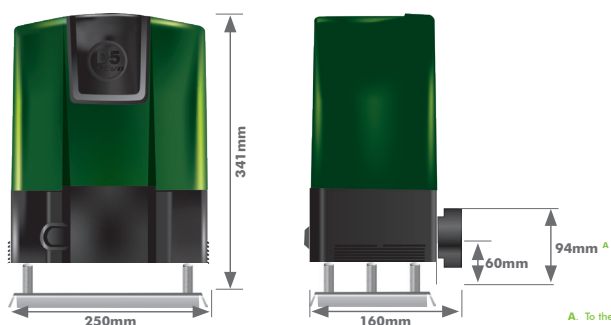
Technical Data	D5-Evo	D5-Evo Low-voltage
Input voltage	240V AC +/-10% @ 50Hz ¹	15V - 19V AC ^{2,3}
Motor voltage	12V DC	12V DC
Motor power supply ⁴	Battery-driven (standard capacity - 12V 7Ah)	Battery-driven (standard capacity - 12V 7Ah)
Battery charger	CP84SM - 1.8A @ 13.7V DC +/-1%	CP84SM - 800mA @ 13.7V DC +/-1%
Operator push force		
Starting	30kgf	30kgf
Rated	17kgf	17kgf
Gate mass - maximum	500kg	500kg
Gate length - maximum	100m	100m
Gate speed - m/min ⁶	18 - 22m/min	18 - 22m/min
Gate speed - mm/sec	300 - 367mm/sec	300 - 367mm/sec
Drive Pinion	17T Module 4	17T Module 4
Design life	150 000 cycles	150 000 cycles
Operations in standby with standard battery ^{4,5}		
Half day	70 cycles	70 cycles
Full day	60 cycles	60 cycles
Collision sensing	Electronic	Electronic
Operating temperature	-15°C to +50°C	-15°C to +50°C
Degree of protection	IP54	IP54
Controller incorporated	D-Series	D-Series
Onboard receiver type	NOVA rolling code (Keeloq™ encryption) onboard, multichannel	NOVA rolling code (Keeloq™ encryption) onboard, multichannel
Receiver frequency	433.92MHz	433.92MHz
Receiver code storage capacity	500 transmitter buttons	500 transmitter buttons
Mass of unit packed	10kg	10kg
Packaging dimensions	Length:303mm x Width: 231mm x Height: 432mm	Length:303mm x Width: 231mm x Height: 432mm

1. Can operate off a solar supply, consult CENTSYS for assistance
2. Plug-in transformer
3. Solar panel
4. Can increase battery capacity for longer standby times
5. Based on 4m gate with no external accessories such as infrared PE Beams
6. Gate opening and closing speeds can be configured independently, as required

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



— 7.2Ah battery with 1 x CP84SM 1.8A charger
— 33Ah battery with 1 x CP84SM 1.8A charger
- - - 33Ah battery with 1 x High Capacity charger



A. To the centre of the tooth mesh point of the rack

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