



D10 AND D10 TURBO SLIDING GATE OPERATORS

D10: Using CENTSYS' proven 24V DC technology, this is the complete solution for commercial and industrial gates weighing up to 1000kg. A rock-solid die-cast aluminium gearbox and reliable battery backup make the **D10** ideally-suited for complexes with large gates and high traffic volumes, while an intelligent LCD controller with multiple Modes of Operation makes setup and diagnostics veritable child's play.

D10 Turbo: CENTSYS' fastest operator yet! This is the ideal solution for extremely fast, feature-rich and high-security gate automation. With a top speed of 50 metres per minute and all the amazing features that first made the **D10** a favourite among installers and end-users alike, the **D10 Turbo** offers the complete package of brains, brawn and expeditious speed.

MAIN FEATURES

Mechanical Features

- Battery backup
- Lockable, easy manual override with anti-jamming
- Strong die-cast aluminium gearbox
- High-volume capability - for greater reliability in intensive use applications

Electronic Features

- Turbo speed for greater security and convenience (**D10 Turbo**)
- LCD interface – Exceptionally easy setup with visual and audible diagnostics and notification
- Diagnostic screens indicating:
 - Battery-low
 - Battery charge level
 - Motor fuse blown
 - High current draw
 - Details of the last transmitter activated
 - Health of the drive electronics
 - Currently activated gate inputs
- See Diagnostics Made Easy for further details

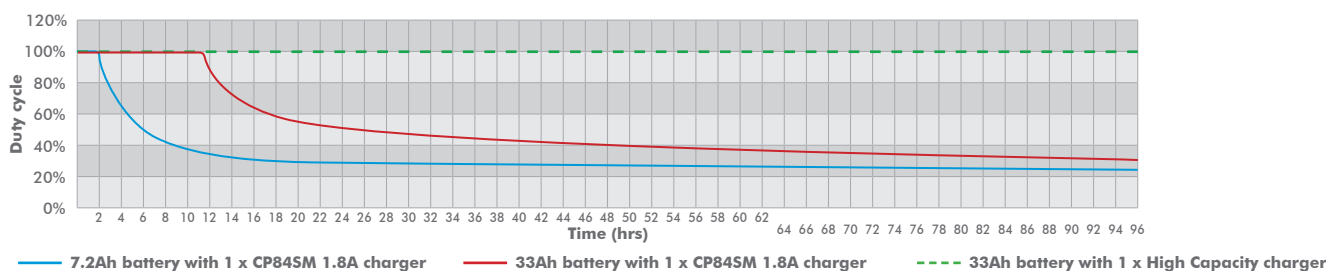
- High duty cycle capability - for greater reliability in high-volume applications
- Sensitive anti-crushing protection for greater safety.
- Intelligent speed control - high-speed for greater security and convenience; slower speed for increased safety
- Integrated ChronoGuard time functionality (a world first) - Time-barring and auto-activation features for switching on Pillar Lights, deactivating ground loops, etc.
- Multiple operating features, including Intruder-detection Alarm Modes (a world first)
- Onboard CENTSYS code-hopping multichannel receiver incorporating the following functionality:
 - Selective add and delete
 - Onboard receiver can be disabled
 - 500 transmitter button memory
 - Automatic maintenance features like Delete-Not-Present
- Opening and Closing P E Beam Inputs
- Integrated Beam Test hardware to ensure that the beams are always working correctly

TECHNICAL SPECIFICATIONS

Technical Data	D10	D10 Turbo
Input voltage ¹	240V AC +/-10% @ 50Hz	240V AC +/-10% @ 50Hz
Motor voltage	24V DC	24V DC
Motor power supply	Battery-driven (standard capacity - 2 x 7Ah)	Battery-driven (standard capacity - 2 x 7Ah)
Battery charger	D10CHGRV02 – 1.8A @ 27.4V +/- 1%	D10CHGRV02 – 1.8A @ 27.4V +/- 1%
Current consumption (mains supply)	250mA	250mA
Current consumption (motor rated / peak load)	6/15A	8/15A
Current consumption (quiescent load)	80mA	80mA
Operator push force		
Starting	40kgf	20kgf
Rated	30kgf	15kgf
Gate mass – maximum	1000kg	240kg
Gate length - maximum	100m	50m
Maximum speed - m/min ⁴	22 - 26m/min	43 - 51m/min
Maximum Gate speed - mm/sec ⁴	367 - 433mm/sec	717 - 850mm/sec
Drive Pinion	17T Module 4	20T Module 4
Maximum daily cycle	750 cycles/day	750 cycles/day
Design life	250 000 cycles	250 000 cycles
Operations in standby with standard battery ^{2,3}		
Half day	120 cycles	120 cycles
Full day	100 cycles	100 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_24	D-Series_24
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	125 transmitter buttons	125 transmitter buttons
Mass of unit packed	13kg	13kg
Packaging dimensions	Length:355mm x Width: 288mm x Height: 485mm	Length:355mm x Width: 288mm x Height: 485mm

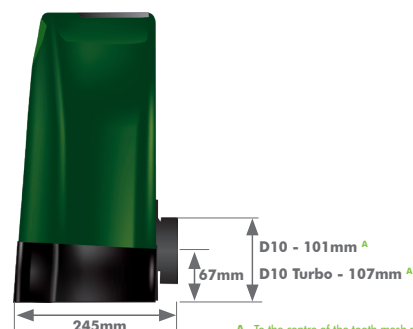
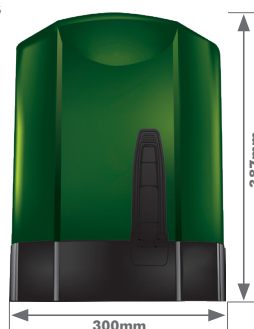
1. Can operate off a solar supply, consult CENTSYS for assistance
2. Can increase battery capacity for longer standby times
3. Based on 4m gate with no external accessories such as infrared PE Beams
4. May be set to slower speeds if required

D10 AND D10 TURBO OPERATOR DUTY CYCLE AS A FUNCTION OF OPERATING TIME



D10 Turbo maximum operating speed for corresponding gate mass

Gate mass	Maximum running speed
240kg	50m/min
300kg	42m/min
400kg	36m/min
500kg	32m/min
600kg	29m/min
700kg	27m/min
800kg	25m/min
900kg	24m/min
1000kg	23m/min



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

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Facebook: facebook.com/CenturionSystems | YouTube: YouTube.com/CenturionSystems | Twitter: Twitter@askCenturion

Tel: 1300 CENTSYS (1300 236 879)

email: info@centsys.com.au

www.centsys.com.au

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