



D10 SMART

D10 TURBO SMART

INDUSTRIAL SLIDING GATE OPERATOR

SMART.
The intelligent choice



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Centurion Systems is a Company of the FAAC Simply Automatic Business Unit
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INTELLIGENT SECURITY FOR YOUR GATE

The legendary high-volume performer.
The powerhouse of heavy-duty access control.
The intelligent choice in commercial and industrial gate automation.

With its powerful 24V motor and die-cast aluminium gearbox, the **D10 SMART** sliding gate motor packs a potent punch, providing excellent security on sites ranging from townhouse complexes and residential estates to busy office parks and warehouse facilities.

Level up with the lightning-fast **D10 Turbo SMART**, the perfect solution for sites requiring high levels of security and capable of moving a gate weighing up to 250kg at a blistering speed of up to 45 meters per minute.

Both operators use a battery-driven high-torque DC motor, coupled to a robust gearbox to provide an automation system that is quick, powerful and battery backed-up – perfect for industrial and commercial applications where heavy gates are installed and reliability is a must.

And now – you can have speed, security, endurance and reliability, quicker and easier than with any other gate motor in the D10's class, thanks to **SMART** technology and wireless connectivity.

Use the tie-in MyCentsys Pro installer app for wireless and effortless setup of the gate limits and configuration of the operator's many innovative features, as well as instant access to advanced diagnostics and system health. An interactive dashboard and graphic wizards give installers the full **SMART** experience.

Easy to set up and easy on the eye, the **D10 SMART** range has everything you'd expect from the access automation industry leaders.



TECHNICAL SPECIFICATIONS

Technical Data	D10-SMART	D10 TURBO-SMART		
Input voltage	90V - 240V AC +/-10% @ 50Hz ¹			
Current consumption (Mains)	250mA			
Battery charger current output	1.8A @ 27.4V +/-1%			
Maximum number of operations per day	750 ^{3,6}			
Duty cycle - Mains present ^{2,3}	45%	25%		
Motor voltage	24V DC			
Motor power supply	Battery-driven (Standard Capacity - 2x 12V 7.2Ah)			
Current consumption (motor at rated load)	8A	10A		
Input / Output sink currents (Max accessory current draw)	100mA (12/24V)			
I/O 1-4	100mA (12/24V)			
I/O 5 and 6	3A (12/24V) 10sec Pulse			
Motor push force - starting	40kgf	24kgf		
Motor push force - rated	30kgf	18kgf		
Gate mass - maximum	1000kg	250kg ⁸		
Gate length - maximum	50m	50m		
Gate speed (varies with load) ⁴	Up to 26m/min ⁴	Up to 45m/min ⁸		
Manual Override	Lockable with key release			
Drive Pinion	17T Module 4	20T Module 4		
Operations in standby with 2x 7Ah batteries	Operating Modes			
	Power Saving 15m/min 15kgf	Normal 26m/min 15kgf	Power Saving 15m/min 9kgf	Normal 45m/min 9kgf
Half day ^{2,5,6}	118	63	189	130
Full day ^{2,5,6}	93	50	150	104
Collision Sensing	Electronic			
Operating temperature range	-15°C to +50°C			
Onboard receiver type	Code-hopping multichannel receiver with selective add and delete			
Receiver code storage capacity	1500 Remotes ⁷			
Receiver frequency	433.92MHz			
Degree of protection	IP54			
Mass of unit packed (with standard kit, but excl. rack and battery)	13kg	13.5kg		
Packaging dimensions (with standard kit, but excl. rack and battery)	350mm wide x 282mm deep x 470mm high			

1. Can operate off a solar supply, consult your local dealer for assistance
2. Based on 25°C ambient temperature and unit not in direct sunlight
3. Based on a motor push force of less than 50% of rated (Starting and Running forces)
4. Gate opening and closing speeds can be configured to run slower depending on the requirements of individual installations

5. Can increase battery capacity for longer standby times
6. Based on 4m gate, excluding all accessories
7. Multiple buttons per remote can be used
8. Refer to the table below for **D10 TURBO SMART**'s recommended gate speed for specified gates masses



OVERALL DIMENSIONS



RECOMMENDED SPEEDS AND GATE MASSES FOR THE D10 TURBO SMART¹

Max Speed (M/Min)	Gate Mass (Kg)
45	250
41	300
36	400
32	500
29	600 ²
27	700 ²
25	800 ²
24	900 ²
23	1000 ²

1. If a **D10 TURBO SMART** is used on a gate over 250Kg, the speed must be reduced according to the table above to ensure that the gate can be safely stopped in an emergency.
2. Centurion Systems (Pty) Ltd recommends the use of a **D10 SMART** for gates over 500KG.

