

D10 & D20 SMART Sliding Gate Operators

24 VDC High Speed Industrial operators designed for gates up to 1000 and 2000 kg



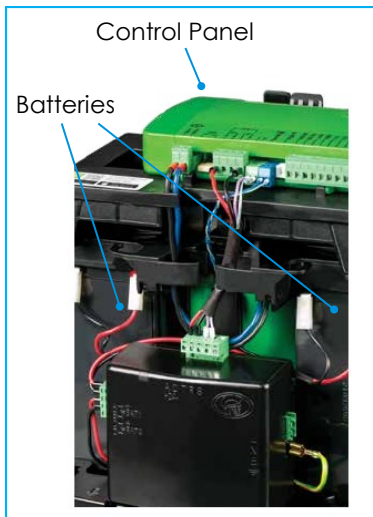
The D10 and D20 SMART sliding gate operator's innovative design offers speed, performance, convenience and control at your finger-tips.

Ideal for commercial and industrial applications where heavy gates are installed and reliability essential.

The powerful D10 SMART is suitable for gates weighing up to 1000 kgs and will open a standard 4m gate in 10 secs. The D20 SMART is suitable for gates up to 2000 kgs and will open a 4m gate in 14 secs.

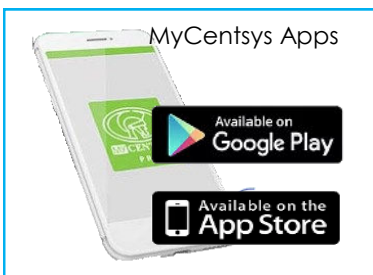
Perfect for unit/residential complexes, warehouse and factory entrances etc.

These SMART sliding gate operators high torque 24vdc motor coupled to a die-cast aluminium gearbox to provide an automation system that is fast, powerful, easy to set up.



The D10 and D20 SMART Sliding Gate operators feature:

- **Battery backup is standard:** for peace of mind during power failure situations — the 24 volt battery back up system allows the sliding gate to continue to function for up to 120 operations
- **Speed control:** independently adjustable opening/closing speeds allows the gate to open at full speed and close at a slower to minimise accidents and damage to the gate
- **Advanced safety features:** cutting edge obstruction detection technology provides the highest level of reliability and positional accuracy
- **In-built radio receiver:** high security code-hopping Nova radio receiver is built into the control panel - up to 1500 individual transmitters can be managed using the MyCentsys Pro app
- Individually configurable inputs and outputs
- **Manual release:** a convenient and intuitive single-action manual release
- **Fast installation and fault finding:** innovative in-app diagnostics measure and monitor many aspects of the operator's performance in real time, including the state of the controller, battery condition and status of connected external accessories. The diagnostic function reduces installation time and makes it easy to identify faults.
- **Operation and intelligent logging and reporting:** The MyCentsys Pro app provides feedback about the gate's status directly to a mobile phone. Phone alerts keep users updated on events including; the condition of the battery i.e. low voltage, the gate status, the speed at which the gate is running and the state of connected accessories such as PE beams and loop detectors.



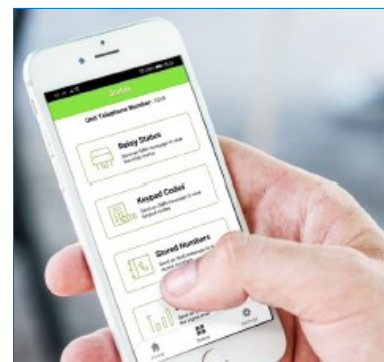
MyCentsys Apps

Effortless operator set-up and gate management using your smartphone

MyCentsys Pro App (for installers)

The MyCentsys Pro app makes setting up and configuring the operator's many features quick and easy. Set the gate limits, speed, automatic closing and unique profiles for users, with just a few taps.

Once connected to the gate operator, the intuitive interface is incredibly simple to use, with a user-friendly graphic front-end and built-in tutorials giving quick and easy access to a host of features.



Features include:

- Step by step gate limit and configuration wizard
- Detailed diagnostics and real-time display of system health (for example battery voltage and mains on/off)
- Backup and Restore NOVA transmitters using MyCentsys Cloud— manage up to 1500 NOVA transmitters from your phone (custom name, add, edit, delete, disable)
- Quick access to technical support
- Access to device event logs (for example last remote pressed, collisions detected)
- Seamless integration with SMARTGUARDair wireless access control keypad
- Multiple custom gate triggers (mode of operation, speed and autoclose)
- Adjustable safety parameters such as gate sensitivity to obstructions
- Easily back up and restore settings

Download the MyCentsys Pro App to get simple mobile access to set up and configure the D10/D20 SMART sliding gate operator.



MyCentsys Remote App (for users)

Take control of your gate and/or garage access with MyCentsys Remote

MyCentsys Remote is feature-rich interface for all gate access and automation requirements. This app that seamlessly integrates with both SMART and ULTRA solutions providing live device status and health information, push notifications, and the ability to trigger actions, all in one convenient app.

Features include:

- Ability to conveniently open and close the gate operator from your phone
- Keep an eye on device health, battery status, and mains presence of their gate operator, all from within the app
- Biometric and PIN options available for increased protection
- Configure your favourite actions, customise device icons, and receive in-app notifications of errors and alarms
- Expert assistance is available via the app's technical support chat function.

Download the MyCentsys Pro App to get simple mobile access to control and manage the D10 and D20 SMART sliding gate operator.



Technical Specifications

Specifications	D10-SMART	D20-SMART
Input voltage¹	90V - 240V AC +/-10% @ 50Hz	
Current consumption (Mains)	250mA	
Battery charger current output	1.8A @ 27.4V +/-1%	
Max no of operations per day- Mains present^{2,3}	750 ^{3,6}	
Duty cycle - Mains present^{2,3}	Continuous	
Motor voltage	24V DC	
Motor power supply	Battery-driven (Standard Capacity 2 x12V 7.2Ah) ³	
Current consumption (motor at rated load)	8A	9A
Input/Output sink currents (Max accessory current draw)		
I/O¹⁻⁴	100mA (12/24V)	
I/O^{5 and 6}	3A (12/24V) 10sec Pulse	
Motor push force - starting	40kgf	52kgf
Motor push force - rated	30kgf	39kgf
Gate mass - maximum	1000kg	2000kg
Gate length - maximum	25m	25m
Gate speed (varies with load)⁴	Up to 26m/min	Up to 18m/min ³
Manual Override	Lockable with key release	
Drive Pinion	17T Module 4	13T Module 4
Operations in battery backup mode with 7.2Ah batteries		
Half day^{2, 5, 6} Power Saving -15m/min 15kgf Normal - 26m/min 15kgf	118 63	101 155
Full day^{2, 5, 6} Power Saving -15m/min 15kgf Normal - 26m/min 15kgf	93 50	80 45
Collision Sensing	Electronic	
Operating temperature range	-15°C to +50°C	
Onboard receiver type	Code-hopping multichannel receiver with selective add and delete	Rolling code (Keelog encryption) multichannel
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 (18kg with battery)	
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

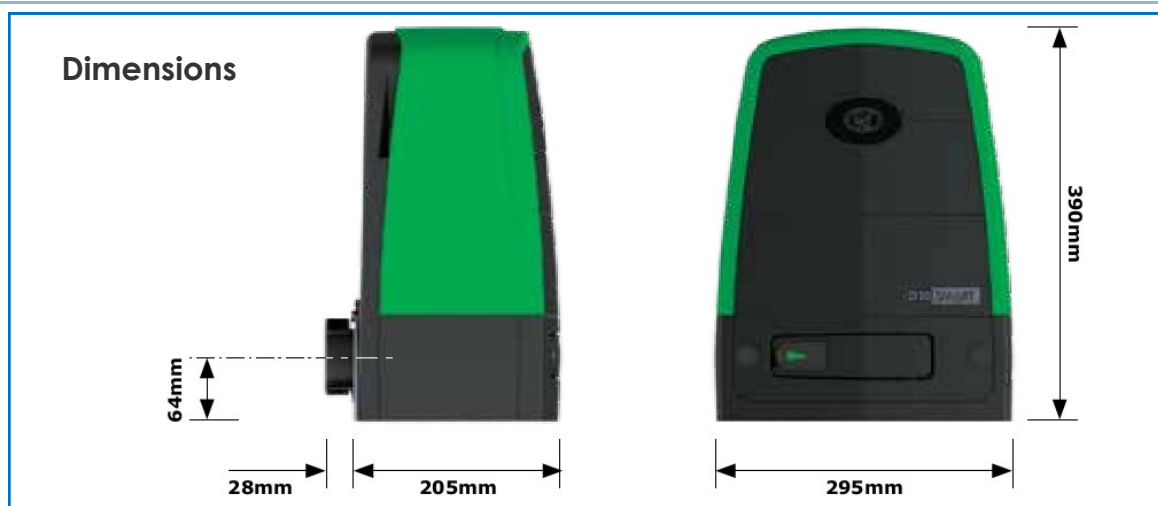
³ Based on a motor push force of less than 50% of rated (Starting and Running forces)

⁴ 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

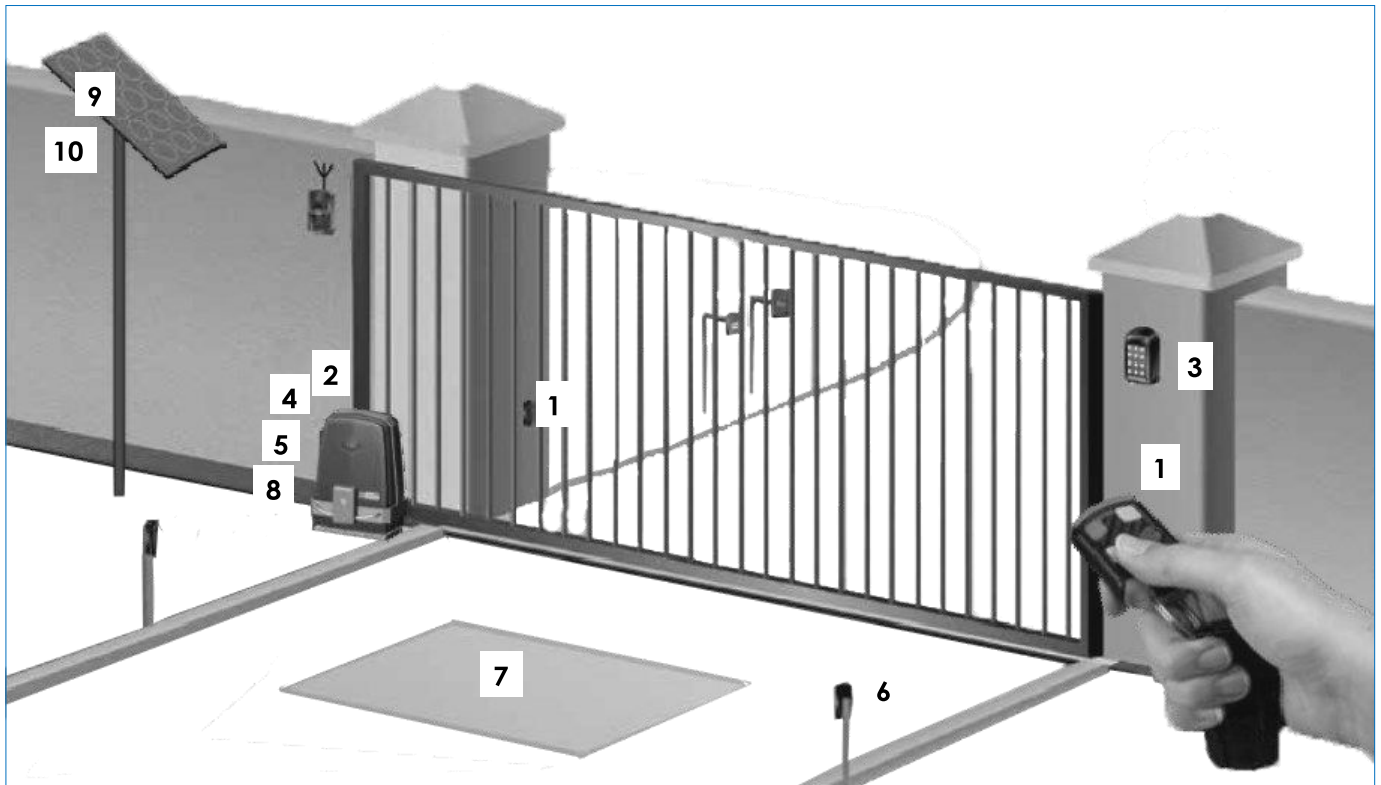
⁶ Based on 4m gate, excluding all accessories

⁷ Multiple buttons per remote can be used



PRODUCT ACCESSORIES

D10 & D20 SMART Sliding Gate Operators



1. Transmitters

Available in one, two, three and four-button variants. Incorporates code-hopping encryption.



5. G-Ultra GSM device

A flexible, mobile-based GSM solution for monitoring and activating the operator.



2. WiZo-Link Module

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



6. SafePass Photon Battery PE Safety Beam

Wireless infrared PE beams with a battery powered transmitter in a compact waterproof IP 54 ABS enclosure.



3. SMARTGUARD or SMARTGUARDair Stand Alone keypad

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



4. LX Long Range Remote Radio Controls

The LX range of receivers, transmitters and repeater unit provide the perfect solution for environments that experience transmission problems.



7. LD113 Loop Detector

With a very fast response time of 120ms the loop will provide an excellent safety feature for even the fastest sliding gates. **LD106 Loop Detector** is the alternative for use with solar.



8. Theft-resistant cage and padlock

Retro-installable steel cage that increases the resistance of the operator against theft.



9. Solar Panel (optional)

Alternative means of powering the gate operator when main supply is unavailable.



10. Low-voltage power supply

If 240V power at the gate is not feasible, this optional low-voltage power supply kit is a simple, cost effective option.

