

# D5 SMART Sliding Gate Operator

24 VDC High Speed Intelligent Industrial operator



*The D5 SMART sliding gate operator's innovative design offers speed, performance, convenience and control at your finger-tips.*

*Suitable for domestic, commercial and industrial applications requiring high security and a fast opening speed.*

The D5 SMART Sliding Gate Operator is manufactured to the highest standards by a leading European gate automation and access control company. With over 35 years' experience and hundreds of thousands of innovative gate operators installed around the world, you can be confident the D5 SMART will provide many years of efficient, reliable operation.

## Fast, smart and tough

The new D5 SMART is the fastest operator in its class, at 36 metres per minute (600mm/sec) it will open a 6 metre gate in 10 seconds.

The robust mechanical design features include:

- Battery backup as standard — provides peace of mind during storms or other power failure situations
- Independently adjustable opening and closing speeds - helps to reduce accidents and damage to the gate
- Individually configurable inputs and outputs
- A convenient and intuitive single-action manual release

**Solar Power (Optional):** for situations where mains power isn't readily available the D5 SMART operator will work on solar power without any modification.

## Advanced diagnostics allows for faster installation

The diagnostics measure and monitor many aspects of the operator's performance, including 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 D5 SMART can provide users with feedback about the gate operator's overall functioning. Previously unavailable, users now have useful information about the operation of their sliding gate sent directly to their mobile phone. Phone alerts keep users updated on events such as:

- the last remote control button pressed
- the condition of the battery, low voltage
- the gate status and the speed at which the gate is running
- the status of external accessories connected such as PE beams and loop detectors
- if the motor is being tampered with.



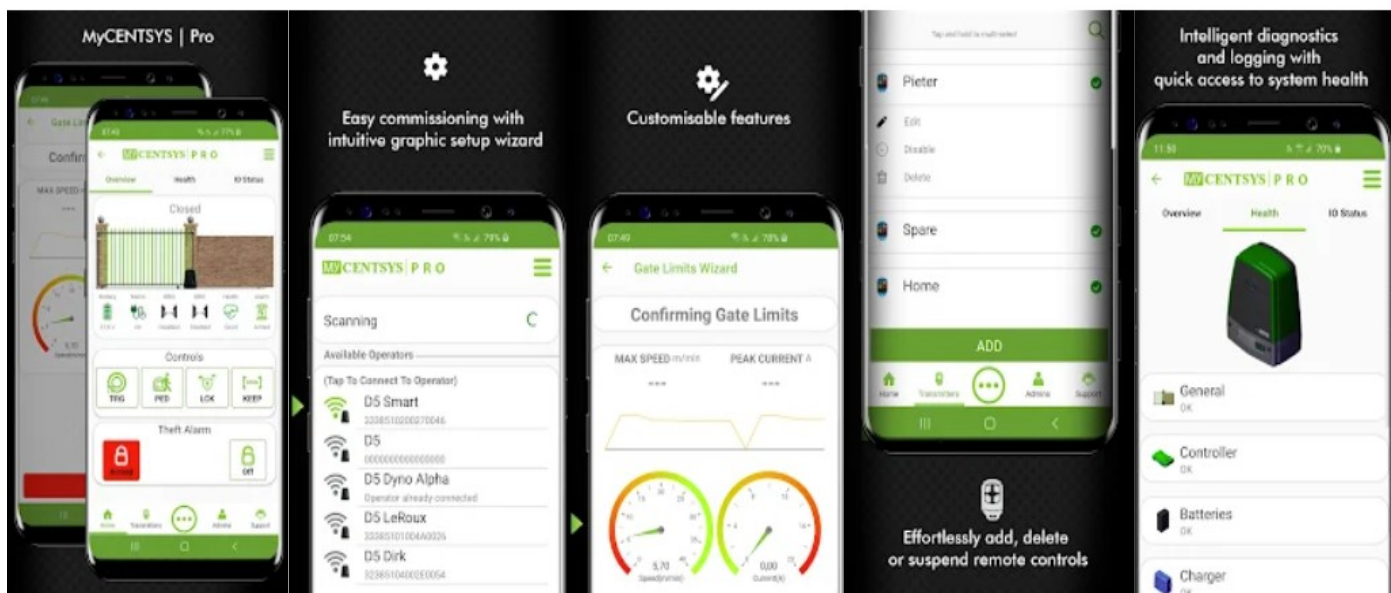
### Quick Links

-  [Installation Instructions](#)
-  [Product Videos](#)
-  [Warranty Information](#)

# MyCentsys Pro App

Effortless operator set-up using your smartphone

The MyCentsys Pro app makes setting up and management of 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.



The MyCentsys Pro mobile app provides convenient configuration of all the gate motor operator functions using your phone. 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.

## Main app features include:

- Step by step gate limit and configuration wizard
- Over-the-air firmware updates
- 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 NOVA transmitters from your phone (custom name, add, edit, delete, disable)
- Quick access to technical support
- Text-to-speech functionality
- 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
- Power-saving Mode
- Easily back up and restore settings



Download the user friendly MyCentsys Pro App to get simple mobile access for setting up and managing control of your gates or doors.



## Technical Specifications

Specifications	D5-SMART
<b>Input voltage</b> <sup>1</sup>	90V - 240V AC +/-10% @ 50Hz
<b>Current consumption</b> (Mains)	200mA
<b>DX1 Battery charger current output</b>	1.3A
<b>Duty cycle</b> - Mains present <sup>2,3</sup>	Continuous
<b>Motor voltage</b> <sup>5</sup>	24V DC
<b>Motor power supply</b>	Battery-driven (Standard Capacity 2x12V)
<b>Current consumption</b> (motor at rated load)	13A
<b>Input/Output sink currents</b> (Max accessory current draw)	
<b>I/O</b> <sup>1-4</sup>	100mA (12/24V)
<b>I/O</b> <sup>5, 6</sup>	3A (12/24V) 10sec Pulse
<b>Motor push force - starting</b>	30kgf
<b>Motor push force - rated</b>	17kgf
<b>Gate mass - maximum</b>	500kg
<b>Gate length - maximum</b>	100m
<b>Gate speed</b> (varies with load) <sup>4</sup>	Up to 36m/min (600mm/sec) @ 17kgf
<b>Manual Override</b>	Lockable with key release
<b>Operations in battery backup mode with 7.2Ah batteries</b>	
<b>Half day</b> <sup>5, 6</sup>	209 (Power Saving) / 102 (Normal)
<b>Full day</b> <sup>5, 6</sup>	183 (Power Saving) / 87 (Normal)
<b>Collision Sensing</b>	Electronic
<b>Operating temperature range</b>	-15°C to +50°C
<b>Onboard receiver type</b>	Code-hopping multichannel receiver with selective add and delete
<b>Receiver code storage capacity</b>	1500 Remotes <sup>7</sup>
<b>Receiver frequency</b>	433.92MHz
<b>Degree of protection</b>	IP55
<b>Mass of unit packed</b> (with standard kit, but excl. rack and battery)	9.1kg
<b>Packaging dimensions</b> (with standard kit, but excl. rack and battery)	325mm wide x 244mm deep x 445mm 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 Based on 7Kgf. Gates requiring up to 17Kgf will result in fewer operations

6 Based on 4m gate, excluding all accessories

7 Multiple buttons per remote can be used

### Dimensions



## PRODUCT ACCESSORIES

### D5 SMART Sliding Gate Operator



#### Transmitters

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



#### 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.



#### SafePass Photon Battery PE Safety Beam

Combines the latest technology with a battery powered transmitter in a compact waterproof IP 54 ABS enclosure.



#### WiZo-Link Module

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



#### SMARTGUARD or SMARTGUARDair Stand Alone keypad

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



#### LD100 Loop Detector

With high noise immunity, which prevents interference from outside sources, and eight sensitivity settings and ASB (automatic sensitivity boost).



#### i-Gate GSM device

Advanced 4g GSM gate opener with phone app allows you to control your automated gate function via SMS.



#### Solar Panel (optional)

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



#### 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.

Rotech supply all forms of door and gate automation

#### Vehicle Access Control

- Booms Gates
- Sliding Gates
- Swing Gates
- Industrial Door Openers
- Solar Powered Gate Openers

#### Pedestrian Access Control

- Full Height Turnstiles
- Waist Height Turnstiles
- Supermarket Gates/Turnstiles
- Wheelchair Access Gates
- Rapid Access Gates

For more information: t: +61 07 3205 1123 | [www.rotech.com.au](http://www.rotech.com.au) | e: [info@rotech.com.au](mailto:info@rotech.com.au)

V1221

**Fast | Safe | Secure**