



MINI PRODUCT CATALOGUE

Access Automation



1986

1990

1995

1999

Today

CentSys products are proudly manufactured by Centurion Systems (Pty) Ltd, South Africa.

Why choose CentSys?

- South Africa's leading manufacturer of gate automation and access control products since 1986
- Proven track record of reliability
- Built tough to withstand extreme climates
- Onboard battery backup - ideal for solar installations
- Incorporates cutting edge technology for advanced functionality and effortless setup
- Comprehensive onboard diagnostics for ease of maintenance
- From our head office in Sydney, NSW and through our network of Australian distributors and installation companies we offer sales and technical support second to none



100% testing of products



In-house R & D team



After-sales technical support



Manufacture to international quality standard ISO 9001:2008

INNOVATIVE PRODUCTS





SMARTGUARD™
SMARTGUARD™
air



SMARTGUARD - All the power and functionality required for high-security keypad access control

SMARTGUARDair - Taking SMARTGUARD keypad access control to the next level by adding wireless connectivity

Main Features

- SMARTGUARD for hard-wired installations
- SMARTGUARDair for wireless, easy installations
- 1000 unique codes using one to ten digits
- Three¹ / 15² channel output
- Selectively add and delete user codes
- Backup Memory Module
- Limited uses counter
- Fully weatherproof with backlit keypad
- SmartSwitch for tamper-proof outputs¹
- Operates on two AA Alkaline batteries², or a separate 12V power supply
- Up to two years of battery life with up to 300 uses per day²
- Operating range of up to 30 metres²
- Compatible with CentSys code-hopping receivers²

Technical Data	SMARTGUARD	SMARTGUARDair
Operating temperature	-20°C to +60°C	-18°C to +55°C
Operating humidity	0-90% ³	
Housing material	Polycarbonate	
Degree of protection	IP55	
Battery life	-	Two to five years ⁴
Memory capacity	1000 unique codes (non-volatile)	
Memory retention	>200 years	
Limited-uses codes ⁵	1 - 254 activations	
Operation	12-24V AC/DC	Two AA Alkaline batteries or a separate 12V power supply
Operating range	-	Up to 30m

1. Applies to SMARTGUARD wired model only

2. Applies to SMARTGUARDair model only

3. Non-condensing

4. Subject to usage – refer to the Battery Low Indication section of the manual

5. A code that will be automatically deleted from the system's memory after a user-defined number of activations



D2 Turbo - Cost-effective gate motor for domestic gates weighing up to 250kg

Main Features

- Turbo speed for greater security and convenience
- Very easy to install and set up, saving you time and money
- Reliable battery backup
- Dedicated Solar Mode - allows you to disable the Mains Fail buzzer when using solar power
- Onboard multichannel CentSys receiver
- Multiple Modes of Operation
- Adaptive Collision Sensing
- Modular components clip together for easy maintenance
- Lockable, easy Manual Override
- Now with robust steel pinion - can be easily retro-fitted and ensures reliable operation

IFSEC2011
SECURITY INDUSTRY AWARDS
FINALIST

Technical Data	D2 Turbo
Input voltage	90V - 240V AC $\pm 10\%$, 50Hz ¹
Motor voltage	12V DC
Motor power supply	Battery-driven ² - 800mA charger
Push force - rated	9kgf
Gate speed ⁶	24m/min (high-speed setting); 16m/min (standard speed setting)
Duty cycle - Mains present	10% ^{3 4}
Life expectancy	10 years ⁵
Gate mass - max	250kg
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 32 remote control button storage capacity

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. 5Ah battery. Motor housing can accommodate a 7Ah battery or an even larger capacity battery can be mounted externally for longer power failure autonomy

3. Based on a push force of less than 50% of rated

4. Based on 25°C ambient temperature and unit not in direct sunlight

5. Based on ten operations per day

6. Varies with load



D2 Turbo Low-Voltage - A low-voltage motor for gates weighing up to 250kg, designed to reduce installation costs for sites with no mains at the gate

Main Features

- Controller requires only low-voltage input - no more expensive high-voltage cable runs
- Safer - reduced risk of serious electric shock
- Dedicated Solar Mode - allows you to disable the Mains Fail buzzer when using solar power
- Turbo speed for greater security and convenience
- Very easy to install and set up, saving you time and money
- Reliable battery backup
- Onboard multichannel CentSys receiver
- Multiple Modes of Operation
- Adaptive Collision Sensing
- Robust steel pinion - can be easily retro-fitted and ensures reliable operation

Technical Data	D2 Turbo Low-Voltage
Input voltage	10V - 20V AC $\pm 10\%$, 50Hz ¹ ; 10V-28V DC
Motor voltage	12V DC
Motor power supply	Battery-driven ² - 1A charger
Push force - rated	9kgf
Gate speed ⁶	24m/min (high-speed setting); 16m/min (standard speed setting)
Duty cycle - Mains present	10% ^{3,4}
Life expectancy	10 years ⁵
Gate mass - max	250kg
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 32 remote control button storage capacity

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. 5Ah battery. Motor housing can accommodate a 7Ah battery or an even larger capacity battery can be mounted externally for longer power failure autonomy

3. Based on a push force of less than 50% of rated

4. Based on 25°C ambient temperature and unit not in direct sunlight

5. Based on ten operations per day

6. Varies with load



D5-Evo - The evolution of the tried and tested D5, 500kg gate motor for domestic and light-industrial applications

Main Features

- Battery backup
- Potent push force with sensitive anti-crushing protection
- Intelligent speed control
- Rapid and smooth opening and closing
- Exceptionally easy system setup via LCD user interface
- Onboard CentSys code-hopping multichannel receiver with selective add and delete
- Multiple operating features including Intruder-detection Alarm Modes (a world first)
- Integrated ChronoGuard timer functionality (a world first)
- Be alerted of gate activity via SMS by connecting a CentSys GSM device

Technical Data	D5-Evo
Input voltage	90V - 240V AC $\pm 10\%$, 50Hz ¹
Motor voltage	12V DC
Motor power supply	Battery-driven ² - 1.8A charger
Push force - rated	17kgf
Gate speed at push force <5kgf	22m/min
Gate speed at rated push force	18m/min
Duty cycle - Mains present	50% ^{3 4}
Daily operations- max	150 ⁴
Gate mass - max	500kg
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. 7Ah battery (can be upgraded for longer power failure autonomy)

3. Based on a push force of less than 50% of rated

4. Based on 25°C ambient temperature and unit not in direct sunlight



D5-Evo Low-Voltage - Enjoy all the features and benefits of the flagship D5-Evo, even if you don't have mains power at the gate

Main Features

- Save on cabling costs - no thick, expensive high-voltage cables
- No need to fit costly isolators
- Battery backup
- Potent push force with sensitive anti-crushing protection
- Exceptionally easy system setup via LCD user interface
- Onboard CentSys code-hopping multichannel receiver with selective add and delete
- Multiple operating features including Intruder-detection Alarm Modes (a world first)
- Integrated ChronoGuard timer functionality (a world first)
- Be alerted of gate activity via SMS by connecting a CentSys GSM device

Technical Data	D5-Evo Low-Voltage
Input voltage	15V - 19V AC $\pm 10\%$, 50Hz, 21V - 26V ¹
Motor voltage	12V DC
Motor power supply	Battery-driven ² - 1A charger
Push force - rated	17kgf
Gate speed at push force <5kgf	22m/min
Gate speed at rated push force	18m/min
Duty cycle - Mains present	20% ^{3 4}
Daily operations- max	30 ⁴
Gate mass - max	500kg
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. 7Ah battery (can be upgraded for longer power failure autonomy)

3. Based on a push force of less than 50% of rated

4. Based on 25°C ambient temperature and unit not in direct sunlight



D10 - Using CentSys' proven DC technology, this is the complete solution for commercial and industrial gates weighing up to 1000kg

Main Features

- Battery backup
- Intelligent speed control
- High duty cycle capability
- Smooth acceleration and deceleration
- Multiple operating features, including Intruder-detection Alarm Modes (a world first)
- Exceptionally easy system setup via LCD user interface
- Onboard CentSys code-hopping multichannel receiver with selective add and delete
- Integrated ChronoGuard timer functionality (a world first)
- Be alerted of gate activity via SMS by connecting a CentSys GSM device



Technical Data

D10

Input voltage	90V - 240V AC \pm 10%, 50Hz ¹
Motor voltage	24V DC
Motor power supply	Battery-driven ² - 1.8A charger
Push force - rated	30kgf
Gate speed ⁶	22 - 26m/min
Duty cycle - Mains present	65% ^{3 4}
Daily operations - max	750 ^{3 5}
Gate mass - max	1000kg
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 500 transmitter button storage capacity

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. Two 7Ah batteries (can be upgraded for longer power failure autonomy)

3. Based on a push force of less than 50% of rated

4. Based on 25°C ambient temperature and unit not in direct sunlight

5. With a brush replacement interval of two years

6. Varies with load



D10 Turbo - CentSys' fastest motor yet! This is the ideal solution for extremely fast, feature-rich and high-security gate automation applications

Main Features

- Turbo speed for greater security and convenience
- Battery backup
- Intelligent speed control
- High duty cycle capability
- Multiple operating features, including Intruder-detection Alarm Modes (a world first)
- Exceptionally easy system setup via LCD user interface
- Onboard CentSys code-hopping multichannel receiver with selective add and delete
- Integrated ChronoGuard timer functionality (a world first)
- Be alerted of gate activity via SMS by connecting a CentSys GSM device

Technical Data	D10 Turbo
Input voltage	90V - 240V AC \pm 10%, 50Hz ¹
Motor voltage	24V DC
Motor power supply	Battery-driven (standard capacity - 2 x 7Ah ²)
Push force - rated	15kgf
Gate speed ⁶	40 - 50/min
Duty cycle - Mains present	25% ^{3 4}
Daily operations – max	750 ^{3 5}
Gate mass - max	1000kg ⁷
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

1. Can operate off a solar supply, consult CentSys Pacific for assistance
2. Two 7Ah batteries (can be upgraded for longer power failure autonomy)
3. Based on a push force of less than 50% of rated
4. Based on 25°C ambient temperature and unit not in direct sunlight
5. With a brush replacement interval of two years
6. Varies with load
7. Varies with speed setting



A10 Endurance - A rapid and robust motor for commercial and industrial gates weighing up to 1000kg

A10 Heavyweight - An all-round performer for gates weighing up to 2000kg

Main Features

- High push force
- High duty cycle capability
- Extremely rapid operating speed
- Intelligent and smooth speed control
- Multiple programmable features
- Optional DC Converter for reliable battery backup:
 - On-demand battery backup protection
 - Brown-out power failure detection
 - Battery-protection circuitry
 - Integrated battery charger
- Be alerted of gate activity via SMS by connecting a CentSys GSM device

Technical Data	A10 Endurance	A10 Heavyweight
Input voltage	220V - 240V AC \pm 10%, 50Hz (single phase)	
Motor voltage	220V (three-phase)	
Push force - rated	30kgf	35kgf
Standard speed	22.5kgf	-
Sprint speed		
Gate speed at rated push force	16m/min	13.6m/min
Standard speed	30m/min	-
Sprint speed		
Duty cycle	80% ¹	
Gate mass - max	1000kg	2000kg
Standard speed	600kg	-
Sprint speed		

¹. Based on 25°C ambient temperature and unit not in direct sunlight



P36 - Passive sensitive edge for protection against crushing

Custom-extruded high-density foam buffer bolted to leading edge of the gate and any shearing surfaces to provide additional protection for people or vehicles against crushing while the gate is in operation. With simple installation and passive protection, which requires no electrical connection to the motor, this is extremely cost-effective protection!



GateshoX - Ensures a smooth and quiet ride for your sliding gate

The innovative GateshoX system ensures a smooth and quiet ride for your sliding gate. GateshoX not only dramatically reduces sliding gate noise, but also minimises rail wear and corrugation, leading to long-term and reliable operation. The patented suspension system is ideal for high-speed gates, is suitable for angle or round rails and the wheels are incredibly easy to change thanks to their click in/click out design.



VANTAGE™

VANTAGE 400 - Robust swing gate motor boasting tough-as-nails aluminium construction throughout for the ultimate in reliability and durability

VANTAGE 500 - Extended stroke for large domestic and industrial swing gates

Main Features

- Exceptionally easy system setup via LCD user interface
- Supports inward- and outward-opening gates without needing mechanical endstops
- High push force
- Full position control
- Fast operating speed, with smooth acceleration and deceleration
- Safe anti-crushing protection
- Multiple operating features including Intruder-detection Alarm Modes (a world first)
- Onboard CentSys code-hopping multichannel receiver with selective add and delete
- Battery backup for uninterrupted operation during power failures

Technical Data	VANTAGE 400	VANTAGE 500
Input voltage	90V - 240V AC \pm 10%, 50Hz ¹	
Motor voltage	12V DC	
Motor power supply ²	Battery-driven 800mA / 1.8A charger	
Push force - max	250kgf	
Gate opening time - typical	<14.3 sec ³	<17.8 sec ³
Duty cycle - Mains present	50% ⁴	
Daily operations - max	250	
Maximum leaf width for corresponding gate mass	2m - 500kg 4m - 200kg	2m - 750kg 4m - 310kg
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 65 remote control button capacity	

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. 7Ah battery (can be upgraded for longer power failure autonomy)

3. Assumes a 90° opening gate and optimum mounting position

4. Based on 25°C ambient temperature and unit not in direct sunlight



VERT-X™

VERT-X - Combining an innovative open-nut drive system, advanced diagnostic capabilities and functionality, rugged die-cast aluminium construction and exceptional aesthetics for a wholly unobtrusive installation, VERT-X is positioned firmly at the apex of swing gate automation

Main Features

- Exceptionally easy system setup via LCD user interface
- Open-nut drive system and rugged die-cast aluminium construction for reliable operation
- Supports inward- and outward-opening gates without needing mechanical endstops
- Automated limit setup for double and single swing gates
- Fail-safe opto-electronic position and collision detection system ensures maximum safety
- Advanced closed-loop speed control for safe and reliable operation, even on inclined gates under windy conditions
- Multiple operating features including Intruder-detection Alarm Modes (a world first)
- Onboard CentSys code-hopping multichannel receiver with selective add and delete
- Battery backup for uninterrupted operation during power failures

Technical Data

VERT-X

Input voltage	90V - 220V AC \pm 10%, 50Hz ¹
Motor voltage	12V DC
Motor power supply ²	Battery-driven 800mA / 1.8A charger
Push force - max	250kgf
Gate opening time - typical	<11 sec ³
Duty cycle - Mains present	60% ⁴
Daily operations - max	250
Maximum leaf width for corresponding gate mass	1.5m - 600kg 3m - 150kg
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 65 remote control button capacity

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. 7Ah battery (can be upgraded for longer power failure autonomy)

3. Assumes a 90° opening gate and optimum mounting position

4. Based on 25°C ambient temperature and unit not in direct sunlight



R3 - The logical choice for domestic gates with large pillars

R5 - This unit is well-suited for large domestic and light-industrial swing gates

Main Features

- Battery backup
- Full position control
- Safe anti-crushing protection
- Fast, smooth and quiet operation
- Multiple programmable features
- Master motor with integrated controller and charger
- Be alerted of gate activity via SMS by connecting a CentSys GSM device

Technical Data	R3	R5
Input voltage ¹	220V - 240V AC ±10%, 50Hz	90V - 240V AC ±10%, 50Hz
Motor voltage	12V DC	
Motor power supply ²	Battery-driven - 800mA charger	Battery-driven - 1.8A charger
Operator output torque – max	95Nm	250Nm
Gate opening time (typical) ³	<14 sec	< 17 sec
Duty cycle - Mains present ⁴	25%	50%
Daily operations – max ³	150	250
Maximum leaf width for corresponding gate mass ³	2m - 350kg 3.5m - 150kg	2m - 600kg 3.5m - 260kg

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. 7Ah battery (can be upgraded for longer power failure autonomy)

3. Assumes a 90° degree opening gate and pedestal-mount

4. Based on 25°C ambient temperature and unit not in direct sunlight



IT24N - Powerful underground swing gate motor for domestic and light-industrial applications

Main Features

- Battery backup
- Safe, quiet and reliable operation
- Hidden from view without impacting the aesthetic appeal of gates
- Automate gates with limited to no side wall space
- Extremely potent and reliable motor reduction unit
- Multiple operating features
- Be alerted of gate activity via SMS by connecting a CentSys GSM device

Technical Data	IT24N
Input voltage ¹	220V - 240V AC \pm 10%, 50Hz
Motor voltage	24V DC
Motor power supply	Battery-driven ² - 1A charger
Operator output torque - max	360Nm
Gate opening time - typical	<20 sec
Duty cycle - Mains present ³	50%
Daily operations - max	200
Maximum leaf width for corresponding gate mass	2m - 550kg; 3.5m - 400kg

1. Can operate off a solar supply, consult CentSys Pacific for assistance

2. Battery driven with two 7Ah batteries (can be upgraded for longer power failure autonomy)

3. Based on 25°C ambient temperature and unit not in direct sunlight



RSO5, RSO5R, RSO5DC, RSO5R3P, RSO5RE and RSO9 - Heavy-duty electric motors designed to safely automate extremely heavy roller-shutter doors such as entrances to factories and loading bays

Main Features

- Automate heavy roller-shutters; e.g. entrances to factories, shops and warehouses
- Rock-solid mounting system
- Convenient manual operation
- RSO5DC incorporates full battery backup and LCD interface
- Feature-rich and basic, cost-effective models available
- Safe and reliable position control
- Allows for the connection of safety devices and ancillary equipment²
- Integrated ChronoGuard timer functionality (a world first)³
- Onboard CentSys code-hopping multichannel receiver with selective add and delete³
- Multiple operating modes, including Intruder-detection Alarm Modes (a world first)³

Technical Data	RSO5R	RSO5	RSO5DC	RSO5RE	RSO5R3P	RSO9
Input voltage	220V - 240V AC \pm 10%, 50Hz				380V AC (three-phase)	
Motor voltage	220V AC		24V DC	220V AC	380V AC (three-phase)	
Shutter mass - max	500kg					900kg
Door travel speed ¹	140mm/sec	100mm/sec	130mm/sec	74mm/sec	100mm/sec	45mm/sec
Current	3.5A 1Ø	3.7A 1Ø	4.6A 1Ø	3A 1Ø	1.5A - 2A 3Ø	2.2A 3Ø
Time rating	7 min	10 min	7 - 8 min	30 min	10 min	8 min
Material of gearbox	Aluminum			Cast-iron	Aluminum	

1. \pm 10%

2. RSO5, RSO5R and RSO5DC only

3. RSO5DC only



Photon™

PHOTON - CentSys' infrared gate safety photocells with a wireless transmitter. Now there's no need to tunnel under the driveway. Simply align, attach and you're away!

Main Features

- Transmitter is wireless and battery-operated saving time and money
- Two year battery life using two AA Alkline batteries (included)
- Ten metre operating range - ideal for almost any entrance gate
- Fully ant-proof and weather-resistant enclosure for greater reliability
- Transmitter provides audible feedback for easy setup and battery-low indication
- Low power consumption throughout the system for greater efficiency
- Installer Mode with audible feedback makes alignment a dream
- Elegant slimline construction - only 50mm wide
- Compatible with Intruder-detection Alarms for enhanced perimeter security³

Technical Data		PHOTON
Power supply	Transmitter: 2 x AA Alkaline batteries (supplied) ¹ Receiver: 12V - 24V DC/AC	
Power consumption	Receiver: 30mA @ 12V DC	
Transmitter battery life	>2 years	
Battery-low indication	Audible beep	
Maximum operating distance	10m	
Alignment ²	Automatic - 1m ² @ 10m	
Output contact	Normally-closed and normally-open potential-free	
Output contact rating	3A @ 30V DC (non-inductive)	
Operating humidity	0 - 90% (non-condensing)	
Housing material	ABS	
Lens material	PC	

1. Only replace with alkaline batteries; do not use rechargeable batteries with this product

2. Circular area - assuming parallel surface

3. Requires controller that supports this feature



i5 - Cost-effective detection device in applications from safety photocells to simple perimeter protection. CentSys' i5 photocells have a range of 40 metres, are self-aligning and are unaffected by the sun. They have a wide 12V - 24V AC/DC voltage supply range.

Main Features

- Wide infrared photocell beam makes for supremely easy beam alignment – no more battling onsite
- Highly cost-effective detection solution
- Easy commissioning thanks to LED indicators
- 40 metre range - suitable for even the widest of entrances
- Compatible with Intruder-detection Alarm functionality (a world first) - greatly improves security
- Wide input voltage range

Technical Data	i5
Power supply	12V - 24V DC/AC
Power consumption	Transmitter - 21mA, Receiver - 43mA @ 12V
Maximum distance	40m
Alignment ¹	Automatic – 9m ² @ 10m
Output contact rating	5A @ 220V AC (non-inductive)
Operating temperature	-15°C to +55°C
Operating humidity	0% - 90% (non-condensing)

¹. Circular area - assuming parallel surface



- CENTINEL 3** - Manual barrier, 3 metre boom pole
CENTINEL 4.5 - Manual barrier, 4.5 metre boom pole
CENTINEL 6 - Manual barrier, 6 metre boom pole

Main Features

- Internal spring counterbalance
- Professional, compact appearance
- Attractive slimline construction
- Convenient actuating handle for raising boom pole
- Thumbwheel to secure pole in raised or lowered position

Technical Data		CENTINEL		
Model	CENTINEL 3	CENTINEL 4.5	CENTINEL 6	
Boom pole length	3m	4.5m	6m	
Counterbalance spring	Internal			
Housing specification	Epoxy-coated mild or grade 3CR12 stainless steel - traffic yellow			
Barrier pole specification	Aluminium, round profile, epoxy-coated white, red reflective tape			





SECTOR 3 - Rapid speed, high-volume barrier, 3 metre boom pole
SECTOR 4.5 - Rapid speed, high-volume barrier, 4.5 metre boom pole
SECTOR 6 - Rapid speed, high-volume barrier, 6 metre boom pole

Main Features

- High-volume capability
- Battery backup
- Rapid boom pole raising (3 metre version <1.2 sec)
- Smooth, intelligent speed control
- High-torque boom pole operation
- Robust, durable and slimline operator casing
- LCD user interface for simple setup
- Onboard CentSys code-hopping multichannel receiver with selective add and delete
- Integrated ChronoGuard timer functionality (a world first)
- 18 colours available (premiums and longer lead times may apply to certain colours)

Technical Data		SECTOR		
Input voltage ¹	90V - 240V AC ± 10% @ 50Hz			
Motor voltage	12V DC			
Motor power supply	Battery-driven ² - 2A charger			
Maximum boom pole length	3.0m	4.5m	6.0m	
Boom pole raise time	1.2 sec	3 sec	3 sec	
Daily operations - max	3000			
Duty cycle - Mains present ³	80%			
Housing anti-corrosion specification	Inland: Zinc-passivated mild steel ⁴ Coastal plains: Grade 430 stainless steel with epoxy coating ⁴ Marine: Grade 316 brushed stainless steel			
Onboard receiver specification	CentSys code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity			

1. Can operate off a solar supply, consult CentSys Pacific for assistance
2. 7Ah battery (can be upgraded for longer power failure autonomy)
3. Based on 25°C ambient temperature and unit not in direct sunlight
4. Housings are also epoxy-coated for further protection from corrosion



CLAWS™

CLAWS Surface Mount - For installations that are mounted above the roadway surface

CLAWS Flush Mount - For installations that are flush with the roadway surface

Main Features

- Modular construction allows for components to be transported and installed with ease
- Adds high security to traffic barrier access controlled entrances and exits
- Robust construction built to withstand impacts from vehicles
- High-speed operation (adjustable)
- High-torque DC motor
- Selectable High Security or Safety Modes
- Reliable battery backup
- Easy to maintain
- High visibility, yellow colour
- Either flush- or surface-mounted models to choose from
- Indirect drive models can operate independently of traffic barrier units

Technical Data	Direct drive	Indirect drive
Input voltage	-	12V DC ¹
Motor voltage	-	12V DC
Spikes modules ³	1m and 1.5m	
Spikes raise/lower time	As per co-installed SECTOR	1.2 sec
Daily operations - max	50% of co-installed SECTOR ²	As per co-installed SECTOR
Duty cycle - mains present	50% of co-installed SECTOR ²	As per co-installed SECTOR
Anti-corrosion specification	Hot dip galvanized mild steel (main chassis)	
Spike material specification	85mm mild steel, electroplated and powder-coated	
Trench cover load bearing capacity	2 tons per axle	
Onboard receiver specification	-	CentSys code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

1. Requires external battery, charger and weatherproof controller housing if installed as a standalone device

2. SECTOR original specification

3. Available lengths to make up total length of spike system required



TRAPEX - A robust and effective barrier designed to prevent pedestrians from circumventing the SECTOR vehicle access control system

Main Features

- Clever design and tough construction prevents fence from being pushed aside
- Quick and easy to install - saving you time and money
- All-weather materials ensuring a long, good-looking lifespan
- Intelligent, modular design for ease of transportation and installation
- Semi-assembled modules with comprehensive installation kit

Technical Data		TRAPEX
Modular sections length		1.5m; pre-assembled
Vertical members		Six per 1.5m length @ 250mm spacing
Vertical member length that extends above bar-rier pole		95mm
Vertical member length below barrier pole		692mm
Fence members		Ø 19 aluminium round tube
Mass		1.3kg/m (1.5m module = 2kg)
Aluminium flatbar section		25mm x 5mm
Rivets used to fit the aluminium flatbar		5mm
Lubrication		Q20 on all moving parts



1. Catchpost

CentSys' Catchpost provides additional support for particularly long boom poles, such as the six metre pole on a SECTOR or CENTINEL barrier, when lowered.

It also incorporates a convenient flap for locking the pole.

2. Midi Traffic Light

The Midi Traffic Light is an effective vehicular access control ancillary solution that enables the user to visually indicate when it is safe for a vehicle to proceed into or out of an access controlled area.

This device makes an excellent accompaniment to the CLAWS roadway spikes system.

3. SECTOR Jack-knife Assembly

The SECTOR Jack-knife Assembly is powdercoated for a beautiful finish and excellent all-weather protection. It allows the boom pole to be installed in areas with limited headroom, such as basements.

It folds the barrier pole, decreasing the required height in which the SECTOR barrier operates.

4. Breakaway Coupling

Allows the boom pole to hinge away from the barrier if it is accidentally knocked, reducing the chance of it being damaged.





FLUX SA - Fast, intelligent and reliable standalone inductive loop vehicle detector

FLUX 11 - 11-pin loop detector available in two models to suit a wide variety of vehicle access applications

Main Features

- Very fast detection speed for quick response times
- Easy to install and commission, saving you time and money
- Audible and visual diagnostics for ease of setup and maintenance
- Removable terminals for quick and easy maintenance¹
- Standardised size allows the FLUX 11 to be incorporated into any existing 11-pin base²
- Dedicated reset button to assist with quick maintenance procedures
- Wide, adaptive self-tuning range for outstanding reliability
- Excellent, strong loop field strength for reliable operation
- Compact housing with clever design features enhancing ease of installation and monitoring diagnostics

Technical Data	FLUX SA	FLUX 11 12-24V DC Model	FLUX 11 230V DC Model
Supply voltage	10V - 40V DC or 7V - 28V AC		220V - 240V AC ± 10% 50Hz
Standby current	50mA		<10mA
Output relay rating	1A@125V AC		
Detection time	4ms @ 100kHz loop frequency 10ms @ 40kHz loop frequency		
Visual LED indicators	Showing Power; Loop Fault; Loop detection level (five LEDs); Detect		
Audible indicators	Buzzer with indication of loop detection level and loop fault		
Detector tuning range	15 - 1500μH		

¹. FLUX SA only

². FLUX 11 only



SupaHelix - Advanced access control and monitoring system with optional offsite administration capability

Main Features

- 10 000 user capacity - perfect for high-density residential complexes
- Large LCD screen and four-button navigation make setup child's play
- Robust, interference-free remote control learning
- Transaction logging for ease of user activity and system diagnostics
- Easy management of individual access - users can be selectively added or deleted within groups and sub-groups
- USB port input for backup of system memory and bootloading
- Three flexible input/output channels - can each be configured as timed, momentary or latched
- Removable connectors - for ease of setup and maintenance
- SD card contains entire system's data - makes for quick recovery and improves data security

Technical Data	SupaHelix	With GSM Module fitted
Supply voltage	10.5V – 30V DC	
Standby current	12V: 100mA	12V: 110mA
	24V 70mA	24V 80mA
Maximum current	2V: 270mA	2V: 500mA
	24V: 230mA	24V: 400mA
Operating temperature	-20°C - +70°C	
Housing material	ABS	
Functional Data		
Memory capacity	10 000 individual buttons	10 000 individual buttons and 10 000 mobile numbers
Input filter	0 – 9999 sec in 1 sec increments	
Network compatibility	-	2G GSM 850/900/1800/1900MHz
SIM card required	-	Yes (A Standard Size 25mm x 15mm SIM with Voice and Data Services Enabled, and Airtime)
Inputs/Outputs	Maximum three (selectable as any combination of open collector outputs and/or switch-to-negative inputs)	



SupaHelix™

SupaHelix GSM Module - Plug-in GSM Module for 2G networks delivers additional functionality

Main Features

- Web-based remote control administration¹ - add or delete individual remote controls from the comfort of your office
- Easy online administration¹ - system configuration and administration can be done on the G-WEB online portal
- Over-the-air backup¹ - full system backup over-the-air with each synchronisation
- User access via mobile phone - offers alternative to remote controls
- Versatile access options¹ - open gate via Missed Call (free), Please Call Me (free) or SMS
- Notification of inputs and alerts by SMS¹
- Hassle-free user labelling¹ - user labelling per remote control and mobile phone via G-WEB
- Logging can be synchronised via the G-WEB online portal¹
- Over-the-air bootloading for system upgrades and restoring¹

Technical Data	SupaHelix	With GSM Module fitted
Supply voltage	10.5V – 30V DC	
Standby current	12V: 100mA	12V: 110mA
	24V 70mA	24V 80mA
Maximum current	2V: 270mA	2V: 500mA
	24V: 230mA	24V: 400mA
Operating temperature	-20°C - +70°C	
Housing material	ABS	
Functional Data		
Memory capacity	10 000 individual buttons	10 000 individual buttons and 10 000 mobile numbers
Input filter	0 – 9999 sec in 1 sec increments	
Network compatibility	-	2G GSM 850/900/1800/1900MHz
SIM card required	-	Yes (A Standard Size 25mm x 15mm SIM with Voice and Data Services Enabled, and Airtime)
Inputs/Outputs	Maximum three (selectable as any combination of open collector outputs and/or switch-to-negative inputs)	

¹. Requires a 2G network



NOVA Single-channel Receivers - Incorporating ultra-secure code-hopping technology to ensure that criminals can't learn their own remotes into your system; NOVA single-channel receivers are ideal for activating a single function such as opening a gate or triggering a garage door operator

NOVA Multichannel Receivers - Perform up to four different activations with CentSys' NOVA multichannel receivers. Open a gate for vehicles or pedestrians, switch on a Pillar Light and activate Holiday Lockout Mode - all using a single receiver

Main Features

- Features secure code-hopping technology
- Receivers are self-learning, with either one, two or four channels
- Receivers incorporate stable narrow-band technology
- Highly robust dust-proof and weatherproof enclosures
- Excellent immunity to external interference for outstanding reliability
- High sensitivity delivers improved range



NOVA - CentSys' ultra-secure code-hopping remote controls with advanced security encryption

What is the threat with remotes?

Fixed-code remote systems - particularly those using dipswitches to set the code- are very easy to copy or clone. They also offer a very limited number of possible codes. In other words, these systems only provide convenience, with very limited security!



CentSys' Solution?

The award-winning NOVA remote controls offer code-hopping technology. Each code that is transmitted by the remote is totally and randomly different to the last code transmitted. This prevents unwanted copying of the remote signal and cloning of the remote itself.

NOVA offers the same level of security as currently provided by leading brand automobile manufacturers for immobilising vehicle alarms and activating door locks.

Main Features

- Remotes are quick and easy to open for battery replacement
- Available with one to four buttons¹
- 433MHz operating frequency
- Belt or visor clip supplied as standard
- Remote belt clip doubles as wall mounting bracket
- Weatherproof housing for receivers and remote controls
- Battery Saver Mode with battery-low indication

1. Four-button remote may be used as a six-button remote with certain CentSys receivers



G-SPEAK Classic - You can answer your intercom and open your gate from just about anywhere with a 2G network with your mobile phone. No more lengthy and expensive cable running to the house

Main Features

- No wiring back to the house; cost-effective and convenient
- Answer your intercom and open your gate from anywhere for maximum convenience
- Exceptional speech quality thanks to state-of-the-art audio technology
- G-SPEAK Classic allows up to ten people to open the gate from their mobile phones
- High-security system access control - only learned-in, authorised mobile phones can access the system
- Split unit for high security - the GSM control module resides inside the property
- White LED backlight makes for beautiful low-light visibility of the gate station

Technical Data	G-SPEAK CLASSIC		G-SPEAK CLASSIC+
Input voltage	10V - 30V DC		
Surge protection	Yes		
Entry panel illumination	Call Buttons and labels with backlit white LEDs		
Channels	1 - Output only	4 - Inputs/Outputs (configurable)	
Network compatibility	2G GSM 850/900/1800/1900MHz		
Functional Data			
Switch Phones	10	100	
Voice Phones	2	4	
SIM card required	Yes (A Standard Size 25mm x 15mm SIM with Voice and Data Services Enabled, and Airtime)		
Query System Status	Yes, via SMS (SMS via Voice Phone)		
Special functionality	No	<ul style="list-style-type: none">• Talk Mode• Listen Mode• SMS activation of outputs	



G-SPEAK Classic+ - The G-SPEAK Classic+ offers the freedom, security and convenience of answering your intercom from anywhere in the world with a 2G network, including other high-security features

Main Features

- All of the great features that the G-SPEAK Classic has plus:
 - Listen Mode - mutes microphone at Calling Module so you can listen for activity at gate
 - Talk Mode - scare away loiterers at your gate
- Up to 100 people can open the gate from their mobile phones
- Four channels are configurable as inputs or outputs - monitor and control up to four different devices
- Answer your intercom and open your gate from anywhere for maximum convenience
- High-security access control - only learned-in, authorised mobile phones can access the system
- White LED backlight makes for beautiful low-light visibility of the gate station

Technical Data	G-SPEAK CLASSIC	G-SPEAK CLASSIC+
Input voltage	10V - 30V DC	
Surge protection	Yes	
Entry panel illumination	Call buttons and labels with backlit white LEDs	
Channels	1 - Output only	4 - Inputs/Outputs (configurable)
Network compatibility	2G GSM 850/900/1800/1900MHz	
Functional Data		
Switch Phones	10	100
Voice Phones	2	4
SIM card required	Yes (A Standard Size 25mm x 15mm SIM with Voice and Data Services Enabled, and Airtime)	
Query system status	Yes, via SMS (SMS via Voice Phone)	
Special functionality	No	<ul style="list-style-type: none">• Talk Mode• Listen Mode• SMS activation of outputs

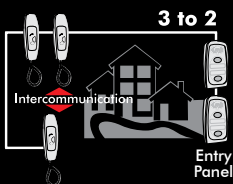
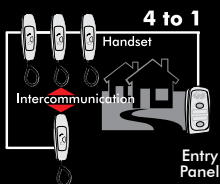


POLOphone™
INTERCOM

POLOphone - Incredibly versatile and reliable audio intercom for domestic and small commercial or industrial installations

Main Features

- Only two wires for a simple, quick and easy installation
- Expandable up to five components with a maximum of two Entry Panels
- Each panel fitted with two Call Buttons
- Single or dual call button Modes of Operation
- Intercommunication between two groups of Handsets
- Award-winning style Handset
- Each handset incorporates:
 - Gate release for each Entry Panel
 - Auxiliary control button
 - Intercommunication Call Button
 - Gate status LED
- 12V DC operation with optional battery backup
- Built-in lightning protection
- To maximise the security of the installation an optional POLOswitch¹ may be fitted



¹ The connection of each POLOswitch reduces the number of components, either Handsets or Entry Panels, that the POLO bus can accommodate in equal proportion



SOLO - Designed for small standalone access control applications where security, cost and simplicity are important

Main Features

- 50 user tag memory
- 13.56MHz operating frequency
- Excellent read range
- Easy programming of user tags
- Selectively add and delete tags
- Free-exit input
- Alarm output for:
 - Door Open
 - Door Forced
- Optional secure link (SmartSwitch II)
- Weatherproof reader (surface- and flush-mount)
- Optional anti-knock shield for reader



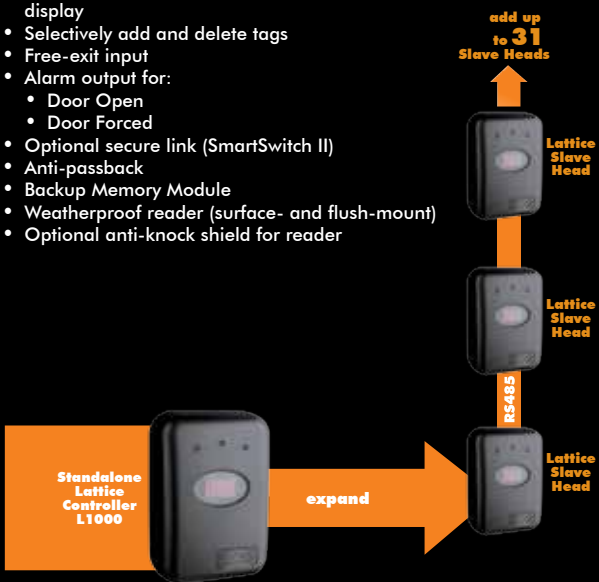


Lattice - Start as a standalone proximity unit and expand into a powerful networked system with up to 32 readers

At any stage interface the system with a PC using LatticeWARE for complete and easy management of the system, as well as powerful reporting.

Main Features

- 1000 user tag memory
- 13.56MHz operating frequency
- Start as standalone and add up to 31 Slave Heads
- Excellent read range
- Easy programming of user tags, made possible by a three-digit LED display
- Selectively add and delete tags
- Free-exit input
- Alarm output for:
 - Door Open
 - Door Forced
- Optional secure link (SmartSwitch II)
- Anti-passback
- Backup Memory Module
- Weatherproof reader (surface- and flush-mount)
- Optional anti-knock shield for reader





LatticeWARE - Management software for the Lattice proximity access control system

The LatticeWARE software is intuitive, easy to use and greatly enhances the functionality of the Lattice system

The Lattice system, whether a standalone reader or network, can be further scaled by adding a PC. The PC or Laptop will become the Lattice server, which will link to the brains of the operation, the L1000, via a Lattice Take-up Head (TUH). The TUH provides the system administrator with a convenient tag reader for initial tag take-up and administration.

Main Features

- Interface with the Lattice system at any stage
- Complete and easy setup
- Full management of the system
- Multiple operating reports with export capability
- LatticeWARE accessible from any PC in a networked system





G-SWITCH-22 - Giving you complete control at your fingertips

Main Features

- Control two different devices, such as opening your gate and garage door from anywhere in the world with 2G GSM coverage
- Monitor by receiving SMS alerts, for example when your mains power has failed or your alarm has been activated
- Communicates with up to 1200 users
- Activate devices with Missed Call (free of charge) or SMS
- Easy setup and administration via CentSys' password-protected
- G-WEB¹ online interface, or via SMS on your mobile phone
- Inputs can be set to react to Rising Edge, Falling Edge or both - ideal for monitoring Mains, alarm states, etc.
- Over-the-air bootloadable¹ - update device firmware from the comfort of your home or office

Technical Data	G-SWITCH-22
Supply voltage	10V - 30V DC only
Output relay rating	1A @ 30V DC (Output 1 and 2)
Memory capacity	1200 individual numbers
Output pulse time range	1ms (default) to 50 days
Network compatibility	2G GSM 850/900/1800/1900MHz
SIM card required	Yes (activated)
Outputs	2 (potential-free)
Inputs	2 (Reacts to Rising Edge, Falling Edge, or both)

¹. Requires a 2G GSM network



G-WEB - Use the power of the Internet to administer your CentSys GSM devices from anywhere

Main Features

- Easy user interface to set up and administer CentSys GSM devices
- Password-protected security
- Control all your CentSys GSM devices from a single user profile page
- Easy upload of multiple users' phone numbers – ideal for large residential complexes
- Quick and easy to add, edit or delete single or multiple user phone numbers
- View and export transaction logs to monitor usage
- Synchronises all settings and logs seamlessly

Examples of Devices that can be monitored via Inputs

- Geyser status: On/Off
- Mains power: On/Off
- House alarm: Activated
- Electric fence: Alarm triggered
- Vehicle monitoring

Examples of Devices that can be switched on or off via Outputs

- Automated entrance gates
- Geysers
- Borehole pumps
- Alarm systems
- House lights
- Air conditioners
- Water features



Saflec Systems

SAFLEC - The perfect access control solution for corporate, networked installations

An excellent access control system for small, medium and large, networked installations. Besides the proximity access control readers, the system can cater for many different readers such as biometric readers, Time and Attendance compliant readers, and keypad access control.

The network integrates with various protocols such as Wiegand; RS-485; RS-232 allowing for networking flexibility.

Main Features

- Controller-based logic - the system can function even if the IT infrastructure fails
- Easy, user-friendly installation and administration
- Anti-passback, timed Anti-passback and Zone Control
- Flexible Time and Attendance exporting
- Site-based configuration and hardware filtering
- Graphical event and alert monitoring and control
- PC-based actions for controlling third party devices such as CCTV, intrusion and fire systems



PROXIMITY READERS
SSR-201 and SSR-202



DOOR CONTROLLERS
SDC-220, SDC-520
and SDC-550



**SACS CORPORATE
EDITION**
SSS-110



ViRDI

ViRDI - Provides the highest level of security and the ultimate convenience

The ViRDI range of fingerprint authentication readers provides the highest level of security and the ultimate in convenience. Using cutting-edge technology, ViRDI delivers comprehensive biometric access control solutions for both standalone and networked applications and offers excellent expandability.

Main Features

- Patented ViRDI Fake Fingerprint Detection - can detect fingerprints made from paper, silicon, wax, etc. for exceptional security
- Fast authentication speed for improved efficiency
- Can operate in a standalone mode or on a TCP/IP network, RS-232, RS-485, Wiegand
- High user fingerprint capacity
- Access Control, Time and Attendance and Meal Control¹
- Wi-Fi connectivity with smart phone application for full user setup and administration from anywhere in the world with network coverage¹
- Registration and authentication levels set by user for added control
- High-performance processor
- Patented search algorithm

¹. Certain models

It all adds up!

10 000 000 000 000

possible security codes for the SMARTGUARD or SMARTGUARDair keypads

1986

the year that Centurion Systems (Pty) Ltd was founded

30

kgf - the push force of our D10 sliding gate motor

50

metres per minute
the speed of our fastest gate motor

100

the number of automatic time-based functions that our D-Series controllers allow

16 128

man hours for our Technical Call Centre per year

80

the average number of programmable features on a D-Series controller

1

The first choice for all your access automation needs

58

countries that we export to

200 000 000

the number of the decisions a D5-Evo makes per second whilst moving a gate

0

wires needed to install a SMARTGUARDair keypad

730

the minimum number of days that batteries will last in the Photon Beams

320

staff members and counting!

15 700

m² of our SA production facility

5

the number of awards won by our company and products

20 000 000

the number of users that can be learned into a SupaHelix with GSM receiver

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