



**CENTSYS**



**MINI  
PRODUCT  
CATALOGUE**

Access automation



1986

1990

1995

1999

Centurion  
Systems (Pty) Ltd  
Today

# Innovative products from Centurion Systems (Pty) Ltd

Established in 1986, Centurion Systems (Pty) Ltd, has become the leading South African manufacturer of gate and access automation equipment.

CENTSYS offer a diverse range of products including gate motors, traffic barriers, remote controls, keypads, proximity access control systems and intercoms.

The company invests considerably in its Research and Development programme with a team of fully qualified engineers, using the latest computer-aided design tools to constantly research new and innovative products to add to the range. They also focus on upgrading existing models and developing tools and jigs for the manufacturing facility.

CENTSYS has an equally strong manufacturing capability, with an almost fully automatic SMT facility installed for the population of a multitude of electronic controllers. Added to this, there is a comprehensive range of numerically controlled machine tools, including thread rolling, for the manufacture of different components used in the gate motors and traffic barriers.

To further enhance the efficiency of this facility, CENTSYS has started to implement robotics.

The company is accredited with the world class quality assurance system ISO9001-2008, to ensure that its products are manufactured to the highest level of quality.

Added to this, using custom built computer-aided equipment, there is a 100% test to specification.

With a team of dedicated technicians, unrivalled backup support and sales personnel, as well as a fully fledged in-house training facility, CENTSYS is committed to providing unmatched service and support for its products. These products are available through a network of competent distributors and installers in over fifty countries around the world.

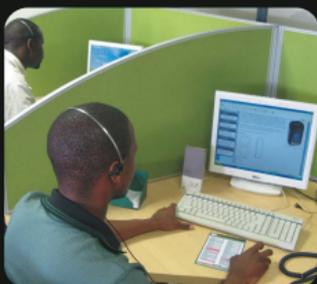
With hundreds of thousands of operators installed in the field, CENTSYS has earned the reputation of producing innovative, reliable and durable products for the gate and access automation industry.



100% testing  
of products



In-house R & D  
development team



Competent after-sales  
technical support



Manufacture to international  
quality standard ISO 9001:2008



# DOMESTIC SLIDING GATE OPERATOR



D2 Turbo

Cost-effective operator 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
- Multiple Modes of Operation
- Adaptive collision sensing
- Stylish design enhances any entrance
- Simple user interface makes changing setup like child's play
- Modular components clip together for easy maintenance
- Lockable, easy manual override
- Onboard CENTSYS code-hopping multichannel receiver with selective add and delete

**IFSEC2011**  
SECURITY INDUSTRY AWARDS  
**FINALIST**

## Technical data

	D2 Turbo
Input voltage	220V - 240V AC $\pm$ 10%, 50Hz★
Motor voltage	12V DC
Motor power supply	Battery driven✚ - 800mA charger
Push force - rated	9kgf
Gate speed	24m/min (high speed setting) - 16m/min (low speed setting)✚✚
Duty cycle - mains present	50%☀✚
Daily operations - max	10✚
Gate mass - max	250kg
Onboard receiver specification	CENTSYS code-hopping, multichannel, 433MHz, with 32 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

✚ 5Ah battery; motor housing can accommodate a 7Ah battery or an even larger capacity battery can be mounted externally for longer power failure autonomy ☀ Varies with load

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

✚ Based on a push force of less than 50% of rated

✚ Based on a ten year life expectancy operating an average domestic gate

# LIGHT-INDUSTRIAL SLIDING GATE OPERATOR



D5-Evo

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

## Main features

- Battery backup
- Potent push force
- Intelligent speed control
- Sensitive anti-crushing protection
- Rapid and smooth opening and closing
- Exceptionally easy system setup via LCD user interface
- Integrated ChronoGuard timer functionality (a world first)
- Multiple operating features including Intruder-detection Alarm Modes (a world first)
- Onboard CENTSYS code-hopping multichannel receiver with selective add and delete

Technical data	D5-Evo
Input voltage	220V - 240V AC $\pm$ 10%, 50Hz★
Motor voltage	12V DC
Motor power supply	Battery driven⚡ - 2A 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%⚡☀
Daily operations - max	150⚡
Gate mass - max	500kg
Onboard receiver specification	CENTSYS code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

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

⚡ Based on a push force of less than 50% of rated

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

# INDUSTRIAL SLIDING GATE OPERATOR



D10

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

## Main features

- Battery backup
- Rapid operating speed
- Intelligent speed control
- High duty cycle capability
- Smooth acceleration and deceleration
- Exceptionally easy system setup via LCD user interface
- Integrated ChronoGuard timer functionality (a world first)
- Multiple operating features, including Intruder-detection Alarm Modes (a world first)
- Onboard CENTSYS code-hopping multichannel receiver with selective add and delete



Technical data	D10
Input voltage	220V - 240V AC $\pm$ 10%, 50Hz★
Motor voltage	24V DC
Motor power supply	Battery driven⚡- 1.8A charger
Push force - rated	30kgf
Gate speed (varies with load)	22 - 26m/min
Duty cycle - mains present	45% ⚡☀
Daily operations - max	750 ⚡⚡
Gate mass - max	1000kg
Onboard receiver specification	CENTSYS code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

⚡ Two x 7Ah batteries (can be upgraded for longer power failure autonomy)

☀ Based on a push force of less than 50% of rated

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

⚡ With a brush replacement interval of two years

# HIGH SPEED SLIDING GATE OPERATOR



## D10 Turbo

CENTSYS' fastest operator 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
- 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 technology (a world first)

## Technical data

	D10 Turbo
Input voltage	220V - 240V AC $\pm$ 10%, 50Hz ★
Motor voltage	24V DC
Motor power supply	Battery driven (standard capacity - 2 x 7Ah) †
Push force - rated	15kgf
Gate speed (varies with load)	40 - 50m/min
Duty cycle - mains present	25% ✨
Daily operations - max	750 ✨ †
Gate mass - max	1000kg ⚙
Onboard receiver specification	CENTSYS code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

† Two x 7Ah batteries (can be upgraded for longer power failure autonomy)

‡ Based on a push force of less than 50% of rated

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

† With a brush replacement interval of two years

⚙ Varies with load

# INDUSTRIAL SLIDING GATE OPERATOR



**A10 Endurance** A rapid and robust operator for commercial and industrial gates up to 1000kg

**A10 Heavyweight** An all round performer for gates 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 battery backup

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

# BATTERY BACKUP MODULE FOR THE A10



## DC Converter

A simple connection that enables your A10 to stay on guard when the lights go off

## Main features

- On-demand battery backup protection
- Brown-out power failure detection
- Battery-protection circuitry
- Thermal overload cut-out
- Integrated battery charger
- Power-saving mode
- System diagnostic outputs

## Technical data

## DC Converter

Input voltage	
DC Converter	12V DC
Battery charger	220V - 240V AC $\pm$ -10%, 50Hz <span style="color: yellow;">★</span>
Input current	
DC Converter at rated load	80A peak / 30A continuous
Battery charger	170mA
Battery charger output	2A
Operating cycles per Ah of capacity	Minimum one open/close cycle
Duty cycle	20% <span style="color: yellow;">☀</span>
Battery capacity	Minimum 12Ah but 35Ah is recommended <span style="color: yellow;">⚡</span>

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

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

⚡ Battery housed in separate enclosure

# LINEAR SWING GATE OPERATORS



VECTOR2 400

Reliable operator for majority of domestic swing gate applications

VECTOR2 500

Extended stroke for large domestic and light-industrial swing gates

## Main features

- Battery backup
- High push force
- Full position control
- Quick and easy installation
- Safe anti-crushing protection
- Exceptionally easy system setup via LCD user interface
- Fast operating speed, with smooth acceleration and deceleration
- Multiple operating features including Intruder-detection Alarm Modes (a world first)
- Onboard CENTSYS code-hopping multichannel receiver with selective add and delete

**SABS**

DESIGN  
EXCELLENCE  
AWARDS  
2009

Technical data	VECTOR2 400	VECTOR2 500
Input voltage	220V - 240V AC $\pm$ 10%, 50Hz★	
Motor voltage	12V DC	
Motor power supply	Battery driven✚ - charger 800mA Ⓓ /2A Ⓜ	
Push force - max	250kgf	
Gate opening time - typical	< 14 sec	< 17 sec
Duty cycle - mains present	25%☀️Ⓓ/50% Ⓜ	
Daily operations - max	50Ⓓ/200 Ⓜ	
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 storage capacity	

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

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

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

Ⓓ Domestic Ⓜ Light-industrial

✳️ Assumes a 90° opening gate and optimum mounting position

# ROTARY SWING GATE OPERATORS



**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

Technical data	R3	R5
Input voltage	220V - 240V AC $\pm$ 10%, 50Hz <span style="color: yellow;">★</span>	
Motor voltage	12V DC	
Motor power supply	Battery driven <span style="color: yellow;">⚡</span> - 800mA charger	Battery driven <span style="color: yellow;">⚡</span> - 2A charger
Operator output torque- max	95Nm	250Nm
Gate opening time - typical	< 14 sec	< 17 sec
Duty cycle - mains present	25% <span style="color: yellow;">☀</span>	50% <span style="color: yellow;">☀</span>
Daily operations - max	150 <span style="color: yellow;">☀</span>	250 <span style="color: yellow;">☀</span>
Maximum leaf width for corresponding gate mass <span style="color: yellow;">☀</span>	2m - 350kg 3.5m - 150kg	2m - 600kg 3.5m - 260kg

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

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

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

☀ Assumes a 90° opening gate and pedestal mount

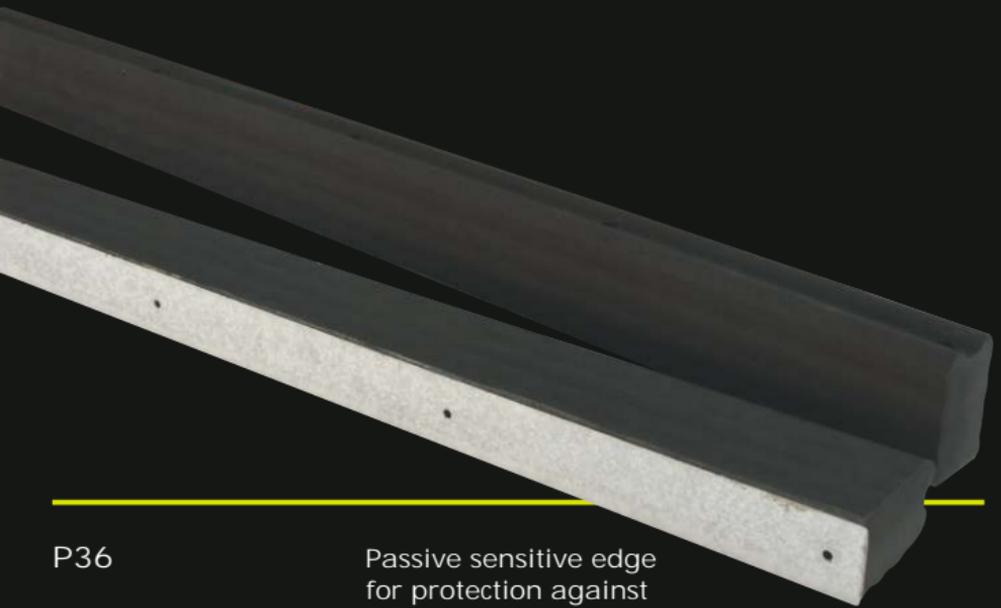
# SAFETY DEVICES FOR AUTOMATED GATES



i5 Beams

Infrared beams for added safety and security

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



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 operator, this is extremely cost-effective protection!

# MANUAL TRAFFIC BARRIERS



**CENTINEL**<sup>TM</sup>

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CENTINEL 3	Manual barrier, 3m boom pole
CENTINEL 4.5	Manual barrier, 4.5m boom pole
CENTINEL 6	Manual barrier, 6m boom pole

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## Main features

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

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Technical data	CENTINEL 3	CENTINEL 4	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 with red reflective tape		

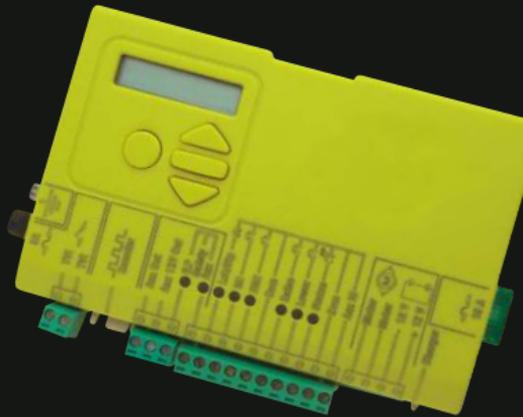
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# HIGH-VOLUME INDUSTRIAL TRAFFIC BARRIERS



## SECTOR™



SECTOR 3

Rapid speed, high-volume barrier, 3m boom pole

SECTOR 4.5

High speed, high-volume barrier, 4.5m boom pole

SECTOR 6

High speed, high-volume barrier, 6m boom pole

### Main features

- Battery backup
- High-volume capability
- High-torque boom pole operation
- Smooth intelligent speed control
- LCD user interface for simple setup
- Rapid boom pole raise (3 metre version < 1.2 seconds)
- Robust, durable and slim-line operator casing
- Integrated ChronoGuard timer functionality (a world first)
- Onboard CENTSYS code-hopping multichannel receiver with selective add and delete

Technical data	SECTOR 3	SECTOR 4.5	SECTOR 6
Input voltage	220V - 240V AC $\pm$ 10%, 50Hz★		
Motor voltage	12V DC		
Motor power supply	Battery driven⊕- 2A charger		
Boom pole length and raise time	3m - 1.2 sec	4.5m - 3 sec	6m - 3 sec
Daily operations - max	3000		
Duty cycle - mains present	80%☀		
Housing anti-corrosion specification	Inland: Zinc-passivated mild steel☼ Coastal plains: Grade 430 stainless steel with epoxy coating☼ Marine: Grade 316 brushed stainless steel☼		
Barrier pole specification	Aluminium, round profile, epoxy-coated white with red reflective tape		
Onboard receiver specification	CENTSYS code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity		

★ Can operate off a solar supply, consult Centurion Systems (Pty) Ltd for assistance

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

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

☼ Housings are also epoxy-coated for further protection from corrosion

# BARRIER FENCE FOR USE WITH TRAFFIC BARRIERS



## 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 material ensuring a long, good looking lifespan
- Intelligent, modular design for ease of transportation and installation
- Semi-assembled modules with comprehensive installation kit
- Can be fitted to almost any traffic barrier system\*

## Dimensions and materials

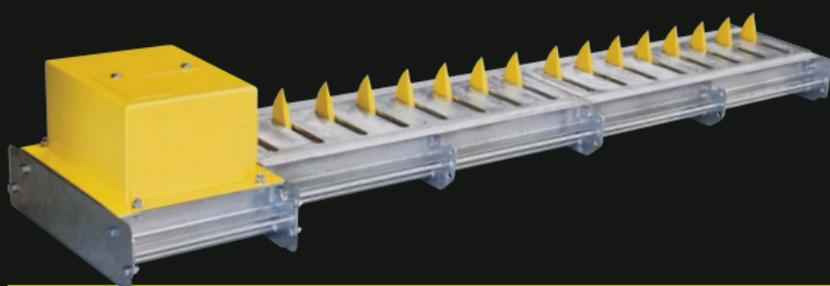
	TRAPEX
Modular sections length	1.5m pre-assembled
Vertical members	6 per 1.5m length, 250mm spacing
Vertical member length that extends above barrier pole	95mm
Vertical member length below barrier pole	692mm
Fence members	Ø19 aluminium round tube
Mass	1.3kg/m (1.5m module = 2kg)
Aluminium flatbar section	25mm x 5mm
Rivets used to fit the aluminium bar	5mm

\* Consult manufacturer of the traffic barrier to ensure that operator can handle the additional mass of the TRAPEX attached to the pole

# ROADWAY SPIKES FOR HIGH VOLUME ACCESS CONTROL



**CLAWS™**



## CLAWS Surface

For installations that are mounted above the road surface - Direct or Independent Drive models

## CLAWS Flush

For installations that need to be flush with the roadway - Direct or Independent Drive models

## Main features

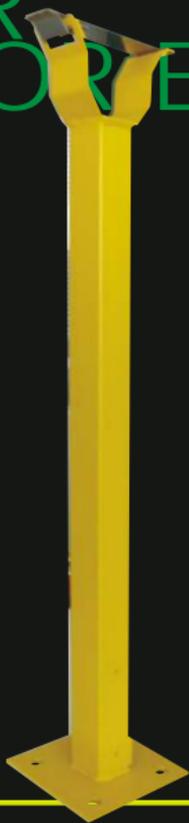
- Easy to maintain
- High-torque DC motor
- Reliable battery backup
- High speed operation (adjustable)
- Selectable High Security or Safety Modes
- Independent Drive model has its own drive mechanism
- Direct Drive model utilises the SECTOR's drive mechanism
- Robust construction built to withstand impacts from vehicles
- Independent Drive models can operate independently of traffic barrier units
- Adds high security to traffic barrier access controlled entrances and exits
- Modular construction allows for components to be transported and installed with ease

Technical data	Direct Drive	Independent Drive
Input voltage	NA	12V DC ⚡
Motor voltage	NA	12V DC
Spike modules - available lengths to make up total length of spike system required	1 metre and 1.5 metre	
Spike raise/lower time	As per co-installed SECTOR	1.2 sec
Daily operations - max	50% of co-installed SECTOR*	As per co-installed SECTOR
Duty cycle - mains present	50% of co-installed SECTOR*	As per co-installed SECTOR
Anti-corrosion specification	Hot dip galvanised mild steel	
Spike material specification	85mm mild steel, electroplated and powder-coated	
Onboard receiver specification	NA	CENTSYS code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

⚡ Requires external battery, charger and weatherproof controller housing if unit is installed as a stand-alone device

\*SECTOR - original specification

# SECTOR TRAFFIC BARRIER ACCESSORIES



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## CATCHPOST

Additional support for boom poles

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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.

### Main features

- Lockable retaining flap
- Height adjustable
- Sturdy construction

# SECTOR TRAFFIC BARRIER ACCESSORIES



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## SECTOR Breakaway Coupling

The SECTOR Breakaway Coupling allows the boom pole to hinge away from the SECTOR barrier if it is accidentally knocked, thereby reducing the chance of it being damaged

### Main features

- Easily retro-fitted to the SECTOR barrier
- Built-in limit switch to provide feedback to the SECTOR operator that Breakaway has activated - this activation will immediately halt the operation of the SECTOR barrier

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## FLUX OB INDUCTIVE LOOP DETECTOR

The SECTOR FLUX onboard inductive loop detector comes standard on the SECTOR traffic barrier. This detector allows for a quick and reliable loop installation.

### Main features

- Very fast detection speed for quick response times
- Excellent immunity to interference from external sources for improved reliability
- Wide, adaptive self-tuning range for outstanding reliability
- Selectable Permanent Presence feature to prevent unintended barrier or gate closure
- Automatic Sensitivity Boost feature which boosts the sensitivity automatically for the reliable detection of variable height vehicles

# SECTOR TRAFFIC BARRIER ACCESSORIES



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## The SECTOR Jack-knife Assembly

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The SECTOR Jack-knife Assembly 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.

### Main features

- Easy to install and adjust
- Suitable for all SECTOR barrier pole lengths
- Allows for SECTOR barriers to be installed in areas with limited headroom

# VERSATILE MULTI-USER RECEIVER

**SUPA**  **NOVA**™

SupaNOVA Versatile multi-user receiver compatible with NOVA code-hopping range of remote controls

It is the perfect tool for multi-user applications such as access points to housing estates, office parks and industrial complexes by allowing quick and easy management of the remotes operating the system.

## Main features

- Selectively add and delete users
- Self-learning of remote controls
- 1000 user groups available
- Backup Memory Module is available to store all remote controls learned into the receiver for ease of maintenance
- Three channel output for greater functionality
- Three digit LED display for easy programming and diagnostics
- Programming module separate from receiver
  - Mount console in secure and convenient location
  - Mount receiver in elevated position for optimum range
- SmartSwitch may be fitted for tamper-proof outputs (optional)



Programming console (CP103)



Receiver module (CP104)



Backup Memory Module (CP108)



Optional SmartSwitch card (CP105)



Optional RelaySwitch card (CP105)

# CODE-HOPPING REMOTE CONTROLS



NOVA

CENTSYS' ultra-secure code-hopping remote controls with Keeloq™ encryption

## What is the threat with remote controls?

What is the threat with remotes? Fixed-coded 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
- Receivers are self-learning, with either one, two or four channels
- Available with one to four buttons\*
- Receivers incorporate stable narrow band technology
- 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



\* Four button remote may be used as a six button remote with certain CENTSYS receivers

# STAND-ALONE PROXIMITY ACCESS CONTROL SYSTEM



SOLO

Designed for small stand-alone access control applications where security, cost and simplicity are important

## Main features

- 50 user tag memory
- Excellent read range
- 13.56MHz operating frequency
- 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 models)
- Optional anti-knock shield for reader



# NETWORKED PROXIMITY ACCESS CONTROL SYSTEM



LATTICE

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

## Main features

- 1000 user tag memory
- 13.56MHz operating frequency
- Start as stand-alone 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



# MANAGEMENT SOFTWARE FOR LATTICE



## 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 stand-alone 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



# COMPREHENSIVE PROXIMITY ACCESS CONTROL SYSTEM



Saflec Systems

SAFLEC

The perfect solution for small, medium and large, 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

- 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-250-D and  
SSR-251-DKP



MULTIPLE DOOR CONTROLLER  
SDC-550



SACS CORPORATE EDITION  
SSS-110

# HIGH SECURITY KEYLESS ACCESS CONTROL



**SMART** **GUARD**™

**SMART** **GUARD**™  
**air**

## SMARTGUARD

All the power and functionality required for wired high security keyless 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
- 15 channel output can be used to open entrance gate, garage door, switch on swimming pool pump\*, etc.\*
- Selectively add and delete user codes
- Backup Memory Module
- Limited uses counter
- Fully weatherproof with backlit keypad
- Optional anti-knock shield for keypad available in brushed 304 stainless steel
- SmartSwitch for tamper-proof outputs (optional)\*
- Operates on two AA Alkaline batteries, or a separate 12V power supply\*
- Operating range of up to 30 metres\*
- Compatible with CENTSYS code-hopping receivers\*

## Technical data

	SMARTGUARD	SMARTGUARDair
Operating temperature	-20°C to +60°C	-18°C to +55°C
Operating humidity	0 - 90%◇	
Housing material	Polycarbonate	
Degree of protection	IP55	
Battery life	Two to five years†	
Memory capacity	1 000 unique codes (non-volatile)	
Memory retention	>200 years	
Token codes	1 - 54 activations	

\* Applies to SMARTGUARD wired model only

\* Applies to SMARTGUARDair model only

☆ Requires ancillary equipment such as CENTSYS NOVA receiver and /or SmartSwitch II interface

◇ Non-condensing

† Subject to usage - refer to table in the Battery Low Indication Section in the Manual

# AUDIO INTERCOM SYSTEM



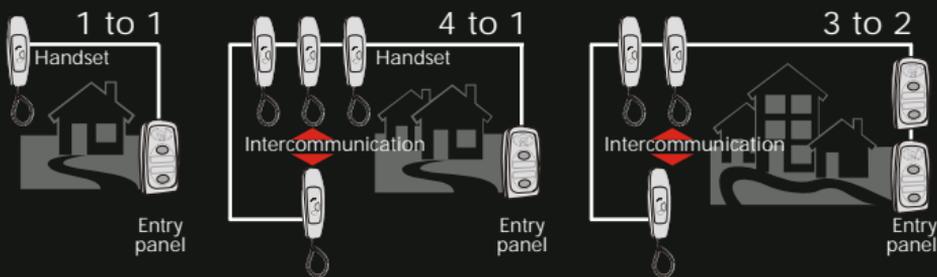
**POLO**phone™  
INTERCOM

## 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, maximum 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 POLOswitch\* may be fitted



\* The connection of each POLOswitch reduces the number of components, either handsets or entry panels, that the POLO bus can accommodate in equal proportion.

# AUDIO AND VIDEO INTERCOM SYSTEMS



Available to African markets only

Legrand

A premium range of intercoms - from basic One-to-One Kits to large apartment and commercial/ industrial systems with both audio and video capability

## Main features

- Exceptional aesthetics
- Weatherproof and durable aluminium entry panel
- Particularly clear speech quality
- 12V DC operation with optional battery backup
- Fully expandable using modular design
- Ability to interface with CCTV



# MULTI-USER INTERCOM SYSTEMS



Available to  
markets with  
GSM cellular  
networks

MKII

Cellular network-based multi-unit intercom

Multi-unit intercom systems that allows convenient screening of visitors at the entrance to large residential or business properties before allowing access. The system can be managed and programmed via a secure website.

## Main features

- Quick and easy installation, no wiring other than mains supply – operates via cellular network
- Greater security against SIM card theft using new embedded SIM technology - no SIM card required
- Mobile or fixed line telephone doubles as an intercom handset and can activate the entrance gate and two other access devices
- Visitor may select from three contact numbers to call
- Allows for visitor departure control (Free-exit facility)
- Convenient web-based interface for system updating and reporting
- Battery backup and built-in lightning protection
- Robust and durable entry panel
- CENTSYS code-hopping remote control integration and management
- Time-based access control
- PIN code entry (two pre-programmed codes per unit)
- Programming can be done online (requires a web access voucher or manually at the unit)
- Bulk SMS and email to complex residents
- Individual resident reporting for phone bills and gate openings
- Both successful and attempted-only gate openings are reported
- Unlimited, controlled access for residents
- Ability to communicate with security personnel at the gate
- Back-lit LCD display (double line)
- Weatherproof enclosure suitable for outdoor or indoor environments
- Online resident database administration

# GSM MONITORING AND CONTROL



G-SWITCH-22

Giving you complete control at your fingertips

## Main features

- Control two different devices such as opening your gate from anywhere in the world
- Monitor by receiving SMS alerts, for example when your mains power has failed or your alarm has been activated
- Communicates with up to 300 users
- Activate devices with dropped call (free of charge) or SMS
- Easy setup and administration via CENTSYS G-WEB online interface, or via your phone
- Secure access with password protection



## Technical data

## G-SWITCH-22

Supply voltage	10 - 30V DC only
Output relay rating	1A @ 30V DC (Output 1 and 2)
Memory capacity	300 individual numbers
Output pulse time range	1ms (default) to 50 days
Network required	GSM 900/1800MHz
SIM card required	Yes (activated)
Outputs	Two (potential-free)
Inputs	Two (switch to common)

# ONLINE INTERFACE FOR SETUP AND ADMINISTRATION



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## G-WEB

Use the power of the internet to administer your G-SWITCH devices from anywhere

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## Main features

- Easy user interfaces to set up and administer CENTSYS G-SWITCH-22 devices
  - Password protected security
  - Control all your G-SWITCH-22 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
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## Examples of devices that can be monitored via G-SWITCH-22 inputs

Geyser status: On/Off

Mains power: On/Off

House alarm: activated

Electric fence: alarm triggered

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## Examples of devices that can be switched on or off via G-SWITCH-22 outputs

Automated entrance gates

Geysers

Borehole pumps

Alarm systems

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# SENSITIVE INDUCTIVE LOOP DETECTOR



**FLUX SA**™

FLUX SA

Fast, intelligent and reliable inductive vehicle loop detector

The FLUX SA is a single channel, stand-alone highly sensitive inductive loop detector designed for vehicle access applications.

## Main features

- Very fast detection speed for quick response times
- Excellent immunity to external interference for improved reliability
- 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 maintenance
- Boot-loader interface for ease of firmware upgrades
- Dedicated reset button to assist with quick maintenance procedures
- Wide, adaptive self-tuning range for outstanding reliability
- Selectable Permanent Presence feature prevents unintended gate closure

Technical data	FLUX SA
Supply voltage	10 - 40V DC, or 7 - 28V AC
Standby current	50mA
Output relay rating	1A @ 125V AC
Detection time	4ms @ 100kHz loop frequency 10ms @ 40kHz loop frequency
Visual LED indicators	Indicates Power; Loop Fault and Loop detection level and five LEDs indicate the level of sensitivity
Audible indicators	Buzzer with indication of loop detection level and loop fault
Detector tuning range	15 - 1500µH
Protection	Isolation transformer with 10kA lightning protection
Dimensions	105mm long x 60mm wide x 26mm high

[www.centsys.com.au](http://www.centsys.com.au)

*Sharecall 0860-CENTURION (0860 236 887)*

*Sharecall Technical Support 0861 003 123*  
*from 07h00 to 18h00 (GMT+2)*

*Sharecall numbers applicable when dialed from within South Africa only)*