CENTURION

MINI PRODUCT CATALOGUE

Access automation

1986　　1990　　1995　　1999　　Centurion Systems Today

Innovative products
from
Centurion Systems

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

CENTURION 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.

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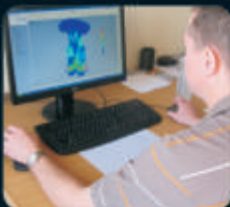
Added to this, using custom built computer-aided equipment, there is a 100% test to specification.

With a team of dedicated technicians, unrivalled backup support and sales personnel, as well as a fully fledged in-house training facility, **CENTURION** 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, **CENTURION** 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 CENTURION code-hopping multichannel receiver with selective add and delete

IFSEC2011
SECURITY INDUSTRY AWARDS
FINALIST

Technical data	D2 Turbo
Input voltage	220V - 240V AC ±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	CENTURION code-hopping, multichannel, 433MHz, with 32 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems 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 CENTURION code-hopping multichannel receiver with selective add and delete

Technical data	D5-Evo
Input voltage	220V - 240V AC ±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	CENTURION code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems 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™

D10

Using CENTURION's 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 CENTURION code hopping multichannel receiver with selective add and delete

IFSEC2010
SECURITY INDUSTRY AWARDS
FINALIST

Technical data	D10
Input voltage	220V - 240V AC ±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	CENTURION code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems 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

CENTURION's fastest operator yet! This is the ideal solution for extremely fast, feature rich and high security gate automation

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 CENTURION 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 ±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	CENTURION code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems 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 speed setting

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 ±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

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

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 ±-10%, 50Hz ★
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%⦿
Battery capacity	Minimum 12Ah but 35Ah is recommended✛

★ Can operate off a solar supply, consult Centurion Systems for assistance
⦿ Based on 25°C ambient temperature and unit not in direct sunlight
✛ Battery housed in separate enclosure

LINEAR SWING GATE OPERATORS

VECTOR2
Swings Gates *Precisely!*

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 CENTURION 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 ±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	CENTURION code-hopping, multichannel, 433MHz, with 65 remote control button storage capacity	

★ Can operate off a solar supply, consult Centurion Systems 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 ±10%, 50Hz ★	
Motor voltage	12V DC	
Motor power supply	Battery driven+ - 800mA charger	Battery driven+ - 2A charger
Operator output torque- max	95Nm	250Nm
Gate opening time - typical	< 14 sec	< 17 sec
Duty cycle - mains present	25%●	50%●
Daily operations - max	150✿	250✿
Maximum leaf width for corresponding gate mass✿	2m - 350kg 3.5m - 150kg	2m - 600kg 3.5m - 260kg

★ Can operate off a solar supply, consult Centurion Systems 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

UNDERGROUND SWING GATE OPERATORS

IT24N
Underground Swing Gate Operators
BENINCA

IT24N   **Powerful underground swing gate operator 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

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

★ Can operate off a solar supply, consult Centurion Systems for assistance
✚ Battery driven with two x 7Ah batteries (can be upgraded for longer power failure autonomy)
◉ Based on 25°C ambient temperature and unit not in direct sunlight
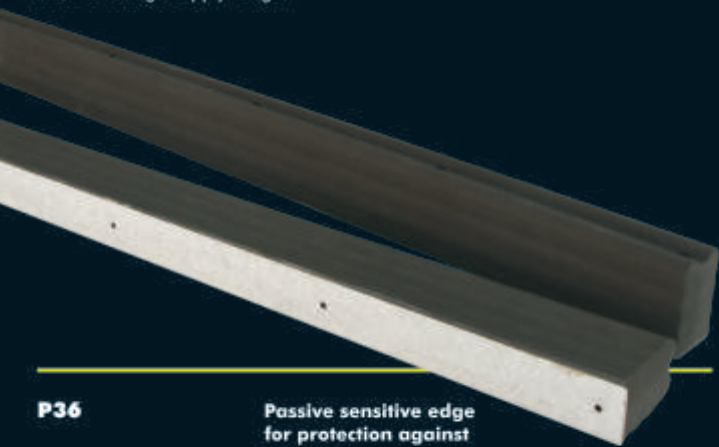✿ Assumes a 90° opening gate and pedestal mount

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. CENTURION's i5 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!

DOMESTIC SECTIONAL AND TIP-UP GARAGE DOOR OPERATOR

XTrac

Unavailable in Australian markets

XTrac   Quiet, safe and reliable garage door operator for sectional and tip-up doors

Main features

- Revolutionary design providing whisper quiet operation
- Battery backup (with dual power – always on)
- Strong and reliable 24V geared DC motor
- Adaptive anti-crushing protection
- Adjustable speed control – suitable for both sectional and tip-up doors
- Manual override can disengage and re-engage in any position
- Onboard CENTURION code-hopping multichannel receiver
- Quick and easy installation and adjustment
- Door service monitor
- Wireless wall switch for convenient operation of the XTrac

Technical data	XTrac
Input voltage	180V - 270V AC @ 50/60Hz ★
Motor voltage	24V DC
Motor power supply	Dual supply - 9A powerpack, 1.8A charger ✛
Opener lifting force - max	120kgf
Door travel speed	90 - 125mm/sec adjustable
Duty cycle - mains present	20% ✳ ●
Daily operations - max	20 ◇
Operations in standby mode	12 to 30
Maximum door size	12m² - max width 6.5m
Onboard receiver specifications	CENTURION code-hopping, multichannel, 433MHz, with 22 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems for assistance
✛ Two x 1.5Ah batteries (can be upgraded for longer power failure autonomy)
✳ Dependant on door size, weight, height and duration of power failure
● Based on 25°C ambient temperature
◇ Based on a lifting force of less than 50% of rated

DOMESTIC ROLL-UP GARAGE DOOR OPERATOR

RDO
Roll-up Door Operator

Unavailable in Australian markets

RDO

A compact and reliable operator for domestic roll-up garage doors

Main features

- Battery backup
- Strong lifting capability
- Whisper quiet operation
- Anti-crushing protection
- Quick and easy installation
- Wall mounted controller with courtesy light
- Wireless wall pendant

Technical data	RDO
Input voltage	220V - 240V AC ±10%, 50Hz★
Motor voltage	24V DC
Motor power supply	Battery driven✛- 200mA charger - peak
Opener lifting force	30kgf
Door travel speed	100 - 150mm/sec
Duty cycle - mains present	20%✳●
Daily operations - max	20
Maximum door size	6m² - max width 2.8m
Onboard receiver specifications	CENTURION code-hopping, multichannel, 433MHz, with 36 remote control button storage capacity

★ Can operate off a solar supply, consult Centurion Systems for assistance
✛ Two x 1.5Ah batteries (can be upgraded for longer power failure autonomy)
✳ Based on a lifting force of less than 50% of rated
● Based on 25°C ambient temperature

INDUSTRIAL ROLLER-SHUTTER OPERATORS

RSO — Roller-shutter Operator ™

RSO5, RSO5R, RSO5DC, RSO5R3P, RSO9

Main features

- Automate heavy roller-shutters; e.g. entrances to factories 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 equipment ✿
- Integrated ChronoGuard timer technology (a world first) ✲
- Onboard CENTURION code-hopping multichannel receiver with selective add and delete ✲
- Multiple operating features, including Intruder-detection Alarm Modes ✲

Technical data	RSO5R	RSO5	RSO5DC	RSO5R3P	RSO9
Input voltage	220V - 240V AC ± 10%, 50H			380V AC (three-phase)	
Motor voltage	220V AC	220V AC	24V DC	380V AC (three-phase)	
Shutter mass - max	500kg	500kg	450kg	500kg	900kg
Door travel speed ✲	140mm/sec	100mm/sec	130m/sec	100mm/sec	45mm/sec
Current	3.5A 1ø	3.7A 1ø	4.6A 1ø	1.5 - 2A 3ø	2.2A 3ø
Time rating	7 min	10 min	7 - 8 min	10 min	8 min
Gear box material	Aluminium				

✲ ±10%
✿ RSO5 and RSO5DC only
✲ RSO5DC only

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 CENTURION code-hopping multichannel receiver with selective add and delete

Technical data	SECTOR 3	SECTOR 4.5	SECTOR 6
Input voltage	220V - 240V AC ±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	CENTURION code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity		

★ Can operate off a solar supply, consult Centurion Systems 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

MANUAL TRAFFIC BARRIERS

CENTINEL™

CENTURION

CENTINEL 3	Manual barrier, 3m boom pole
CENTINEL 4	Manual barrier, 4.5m boom pole
CENTINEL 6	Manual barrier, 6m boom pole

Main features

- Internal spring counterbalance
- Professional, compact appearance
- Attractive slim-line construction
- Convenient actuating handle for raising boom pole
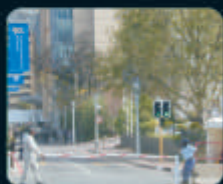- Thumbwheel to secure pole in raised or lowered position
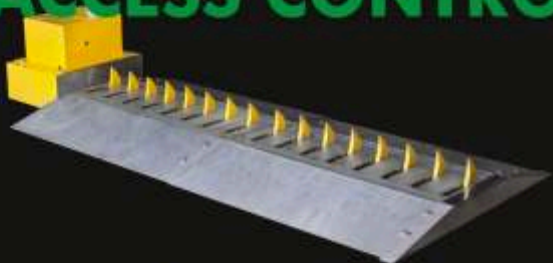
Technical data	CENTINEL 3	CENTINEL 4.5	CENTINEL 6
Boom pole length	3m	4.5m	6m
Counterbalance spring	Internal		
Housing specification	Epoxy-coated mild or grade 3CR12 stainless steel - traffic yellow		
Barrier pole specification	Aluminium round profile, epoxy-coated white with red reflective tape		

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	CENTURION 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

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

Modular sections length	1.5m, pre-assembled
Vertical members	Six 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

SECTOR TRAFFIC BARRIER ACCESSORIES

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

CATCHPOST   **Additional support for boom poles**

CENTURION's 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

The SECTOR Jack-knife Assembly

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

CODE-HOPPING REMOTE CONTROLS

NOVA

CENTURION'S ultra-secure code-hopping remote controls

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!

CENTURION's 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, three 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

SABS
Design Institute
AWARDS 2002
INDUSTRIAL

✪ Four button remote may be used as a six button remote with certain CENTURION receivers

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)

STAND-ALONE PROXIMITY ACCESS CONTROL SYSTEM

Solo™
Proximity Access Control

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
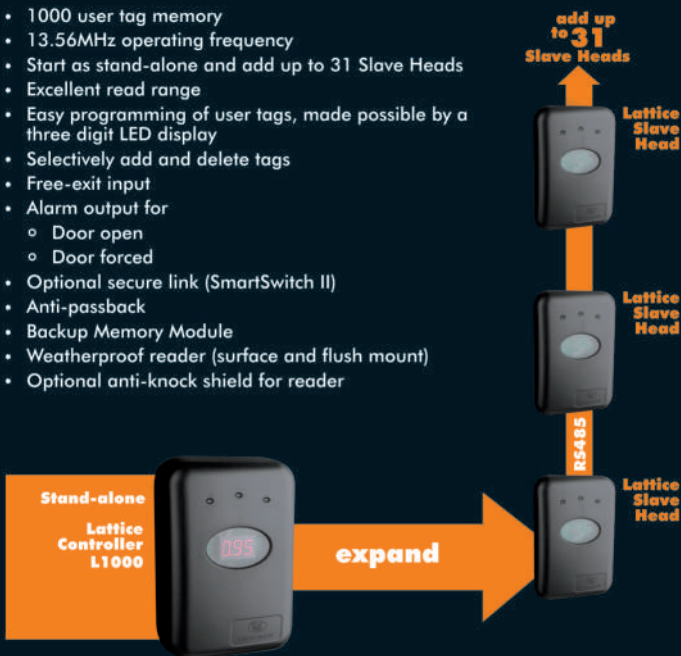
NETWORKED PROXIMITY ACCESS CONTROL SYSTEM

Lattice™
Network Proximity
Access Control

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

add up to 31 Slave Heads

Lattice Slave Head

Lattice Slave Head

RS485

Lattice Slave Head

Stand-alone Lattice Controller L1000

expand

MANAGEMENT SOFTWARE FOR LATTICE
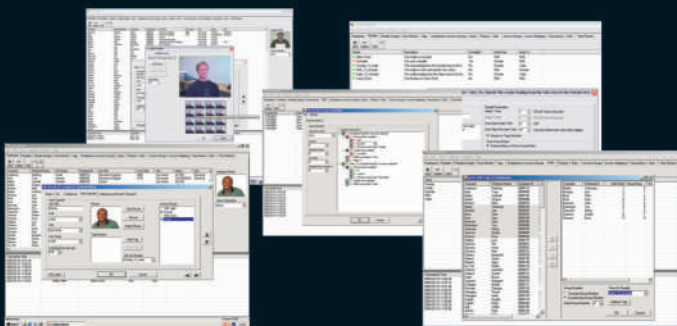

LatticeWARE™

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
- Three ✿ to 15 ✸ channel output
- Selectively add and delete user codes
- Backup Memory Module
- Fully weatherproof with backlit keypad
- Robust, weatherproof casing
- Optional anti-knock shield for keypad available in brushed 304 stainless steel
- SmartSwitch for tamper-proof outputs (optional) ✿
- Compatible with CENTURION 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	1000 unique codes (non-volatile)	
Memory retention	>200 years	
Token codes	1- 54 activations	
Operation	Two AA Alkaline batteries or a separate 12V power supply ✸	
Operating range	Up to 30m ✸	
Battery life	Up to two years battery life at up to 200 uses per day ✸	

✿ Applies to SMARTGUARD wired model only
✸ Applies to SMARTGUARDair model only
☆ Requires ancillary equipment such as CENTURION code-hopping receiver and/or SmartSwitch II interface
◇ Non-condensing
✛ Subject to usage - refer to table in the Battery Low Indication Section of the Manual
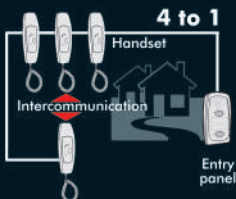
AUDIO INTERCOM SYSTEM

POLOphone INTERCOM ™

POLOphone

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

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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

disa
Design Institute South Africa
Design Excellence Award
2006

1 to 1
Handset
Entry panel

4 to 1
Handset
Intercommunication
Entry panel

3 to 2
Intercommunication
Entry panel

✦ 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

L1 legrand®

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

MK II

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
- Convenient web-based interface for system updating and reporting
- Programming can be done online*(requires a web access voucher or programming can be done manually at the unit)
- Online resident database administration
- Battery backup and built-in lightning protection
- CENTURION code-hopping remote control integration and management*
- Time-based access control
- PIN code entry (two pre-programmed codes per 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
- Ability to communicate with security personnel at the gate
- Back-lit LCD display (double line)
- Weatherproof enclosure suitable for outdoor or indoor environments

✳ Built into the MKII - requires MKII CENTURION Loader -available from Centurion Systems
✦ Requires a web access voucher

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 CENTURION's G-WEB online interface, or via your phone
- Secure access with password protection

Technical data	G-SWITCH-22
Supply voltage	10V - 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

G·WEB™

G-WEB

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

Main features

- Easy user interfaces to set up and administer CENTURION G-SWITCH devices
- Password protected security
- Control all your G-SWITCH 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 G-SWITCH inputs

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

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

Automated entrance gates
Geysers
Borehole pumps
Alarm systems

SENSITIVE INDUCTIVE LOOP DETECTORS

FLUX SA — Fast, intelligent and reliable stand-alone inductive vehicle loop detector

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

FLUX is a range of single channel, highly sensitive inductive loop detectors designed for 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 set up and maintenance
- Removable terminals for quick and easy maintenance (FLUX SA only)
- Standardised size allows the FLUX 11 to be incorporated into any existing 11-pin base (FLUX 11 only)
- 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

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

www.centsys.com

Sharecall 0860-CENTURION (0860 236 887)

Sharecall Technical Support 0861 003 123
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Sharecall numbers applicable when dialed from within South Africa only)

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