



**CENTURION**



# **MINI PRODUCT CATALOGUE**

**Access Automation**

Centurion is a Company of the  
FAAC Simply Automatic Business Unit

**FAAC**  
Simply automatic.





1986

1990

1995

1999

Today

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

## Innovative products

### Why choose Centurion Systems?

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

Centurion Systems is committed to providing unmatched service and support for its products, which are available through a network of competent distributors and installers in over fifty countries worldwide



**100% testing of products**



**In-house R & D team**



**After-sales technical support**



**Manufacture to international quality standard ISO 9001:2008**





## SLIDING GATE OPERATORS

Your entrance gate is what stands between you and the outside world. It's your first line of defense against criminals. Make sure that it's fitted with the very best. CENTURION's range of sliding gate motors has been designed to provide the ultimate in security and convenience.

## D2 Turbo

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

## 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

- Turbo speed for greater security and convenience
- D2 Turbo Low-Voltage requires only low-voltage input – no more expensive high-voltage cable runs and electricians' bills
- 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 CENTURION receiver
- Multiple Modes of Operation
- Adaptive Collision Sensing
- Modular components clip together for easy maintenance
- Lockable, easy Manual Override

### Technical Specifications

	D2 Turbo	D2 Turbo Low-Voltage
Input voltage	90V - 240V AC $\pm$ 10%, 50Hz <sup>1</sup>	10V - 20V AC $\pm$ 10%, 50Hz <sup>1</sup> ; 10V-28V DC
Motor voltage	12V DC	
Motor power supply	Battery-driven <sup>2</sup> - 1A charger	Battery-driven <sup>2</sup> - 1A charger
Push force - rated	9kgf	
Gate speed <sup>6</sup>	26m/min (high-speed setting); 22m/min (standard speed setting)	
Duty cycle - Mains present	10% <sup>3 4</sup>	
Life expectancy	10 years <sup>5</sup>	
Gate mass - max	250kg	
Onboard receiver specification	CENTURION code-hopping, multichannel, 433MHz, with 32 remote control button storage capacity	

1. Can operate off a solar supply, consult Centurion Systems 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

## 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

- Battery backup
- Low-Voltage model lets you save on cabling costs – no thick, expensive high-voltage cables
- 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 CENTURION 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 CENTURION GSM device

## Technical Specifications

	D5-Evo	D5-Evo Low-Voltage
Input voltage	90V - 240V AC $\pm 10\%$ , 50Hz <sup>1</sup>	15V - 19V AC $\pm 10\%$ , 50Hz, 21V - 26V <sup>1</sup>
Motor voltage	12V DC	
Motor power supply	Battery-driven <sup>2</sup> 1.8A charger	Battery-driven <sup>2</sup> 800mA 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	40% <sup>3 4</sup>	40% <sup>3 4</sup>
Daily operations - max	150 <sup>4</sup>	30 <sup>4</sup>
Gate mass - max	500kg	
Onboard receiver specification	CENTURION code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity	

1. Can operate off a solar supply, consult Centurion Systems 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 CENTURION's 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 CENTURION 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 CENTURION GSM device



### Technical Specifications

D10	
Input voltage	90V - 240V AC $\pm 10\%$ , 50Hz <sup>1</sup>
Motor voltage	24V DC
Motor power supply	Battery-driven <sup>2</sup> - 1.8A charger
Push force - rated	30kgf
Gate speed <sup>6</sup>	22 - 26m/min
Duty cycle - Mains present	65% <sup>3 4</sup>
Daily operations - max	750 <sup>3 5</sup>
Gate mass - max	1000kg
Onboard receiver specification	CENTURION code-hopping, multichannel, 433MHz, with 500 transmitter button storage capacity

1. Can operate off a solar supply, consult Centurion Systems 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

CENTURION 's 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 CENTURION 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 CENTURION GSM device

### Technical Specifications

D10 Turbo	
Input voltage	90V - 240V AC $\pm$ 10%, 50Hz <sup>1</sup>
Motor voltage	24V DC
Motor power supply	Battery-driven (standard capacity - 2 x 7Ah <sup>2</sup> )
Push force - rated	15kgf
Gate speed <sup>6</sup>	43 - 51/min
Duty cycle - Mains present	25% <sup>3 4</sup>
Daily operations – max	750 <sup>3 5</sup>
Gate mass - max	1000kg <sup>7</sup>
Onboard receiver specification	CENTURION code-hopping, multichannel, 433MHz, with 500 remote button storage capacity

1. Can operate off a solar supply, consult Centurion Systems 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 CENTURION GSM device

### Technical Specifications

	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	-
Gate speed at rated push force		
Standard speed	16m/min	13.6m/min
Sprint speed	30m/min	-
Duty cycle	90% <sup>1</sup>	
Gate mass - max		
Standard speed	1000kg	2000kg
Sprint speed	600kg	-

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



## Sliding Gate Operator Accessories

### 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.



## **SWING GATE OPERATORS**

That welcoming beckon...that silky, graceful dance as it glides open, light as air...these are the trademarks of a great-looking swing gate. CENTURION has the solutions to make your swing gate look – and perform – at its absolute best.

## 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 CENTURION GSM device

### Technical Specifications

	R3	R5
Input voltage <sup>1</sup>	220V - 240V AC ±10%, 50Hz	90V - 240V AC ±10%, 50Hz
Motor voltage	12V DC	
Motor power supply <sup>2</sup>	Battery-driven - 800mA charger	Battery-driven - 1.8A charger
Operator output torque – max	95Nm	250Nm
Gate opening time (typical) <sup>3</sup>	<11 sec	< 17 sec
Duty cycle - Mains present <sup>4</sup>	20%	50%
Daily operations – max <sup>3</sup>	150	250
Maximum leaf width for corresponding gate mass <sup>3</sup>	2m - 350kg 3.5m - 150kg	2m - 600kg 3.5m - 260kg

1. Can operate off a solar supply, consult Centurion Systems 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

# 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 CENTURION code-hopping multichannel receiver with selective add and delete
- Battery backup for uninterrupted operation during power failures

## Technical Specifications

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

1. Can operate off a solar supply, consult Centurion Systems 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

## 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 CENTURION code-hopping multichannel receiver with selective add and delete
- Battery backup for uninterrupted operation during power failures

### Technical Specifications

	VANTAGE 400	VANTAGE 500
Input voltage	90V - 240V AC $\pm$ 10%, 50Hz <sup>1</sup>	
Motor voltage	12V DC	
Motor power supply <sup>2</sup>	Battery-driven 800mA / 1.8A charger	
Push force - max	250kgf	
Gate opening time - typical	<14 sec <sup>3</sup>	<17.5 sec <sup>3</sup>
Duty cycle - Mains present	50% <sup>4</sup>	
Daily operations - max	250	
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 capacity	

1. Can operate off a solar supply, consult Centurion Systems for assistance

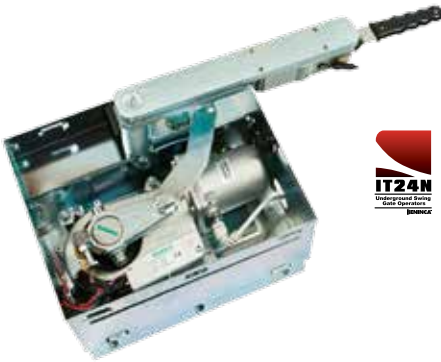
2. 7Ah battery (can be upgraded for longer power failure autonomy)

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

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

## 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 CENTURION GSM device

### Technical Specifications

<b>IT24N</b>	
Input voltage <sup>1</sup>	220V - 240V AC $\pm$ 10%, 50Hz
Motor voltage	24V DC
Motor power supply	Battery-driven <sup>2</sup> - 500mA charger
Operator output torque - max	360Nm
Gate opening time - typical	<20 sec
Duty cycle - Mains present <sup>3</sup>	50%
Daily operations - max	200
Maximum leaf width for corresponding gate mass	2m - 550kg; 3.5m - 400kg



## TRAFFIC BARRIERS

Traffic barriers offer a formidable means of controlling vehicular access, and we have gone to great lengths to ensure that Centurion Systems' barriers can handle the heaviest of traffic volumes while simultaneously offering superior security and a myriad of features.

## 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 Specifications

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 II

Rapid speed, high-volume barrier, 3, 4.5 and 6 metre boom poles



### Main Features

- High-volume capability
- Battery backup
- Rapid boom pole raising (3 metre version <1.2 sec)
- Easy cable management makes for a neat and professional installation
- Electronics reside at top of enclosure for quick and easy access
- Stylish powder-coated aluminium lid with superior condensation protection
- LCD user interface for simple setup
- Onboard CENTURION 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 Specifications

SECTOR II			
Input voltage <sup>1</sup>	220V AC +/-10% @ 50Hz		
Motor voltage	12V DC		
Motor power supply	Battery-driven <sup>2</sup> - CP84SM 1.8A @ 13.7 +/-1%		
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 <sup>3</sup>	80%		
Housing anti-corrosion specification	Inland: Zinc-passivated mild steel <sup>4</sup> Coastal plains: Grade 430 stainless steel with epoxy coating <sup>4</sup> Marine: Grade 316 brushed stainless steel		
Onboard receiver specification	CENTURION code-hopping, multichannel, 433MHz, with 500 remote control button storage capacity		

1. Can operate off a solar supply, consult Centurion Systems 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 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
- Choose from either flush- or surface-mounted models
- Indirect drive models can operate independently of traffic barrier units

### Technical Specifications

	Direct drive	Indirect drive
Input voltage	-	220V AC +/-10% @ 50Hz <sup>1</sup>
Motor voltage	-	12V DC
Spikes modules <sup>3</sup>	1m and 1.5m	
Spikes raise/lower time	As per co-installed SECTOR II	1.2 sec
Daily operations - max	50% of co-installed SECTOR II <sup>2</sup>	As per co-installed SECTOR II
Duty cycle - mains present	50% of co-installed SECTOR II <sup>2</sup>	As per co-installed SECTOR II
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	-	CENTURION 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 II 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 and SECTOR II 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 Specifications

TRAPEX	
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	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

## SECTOR II Accessories



### 1. Catchpost

CENTURION's Catchpost provides additional support for particularly long boom poles, such as the six metre pole on a SECTOR II 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 II Jack-knife Assembly

The SECTOR II 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 II 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.





## **GARAGE DOOR OPERATORS**

Your home is your sanctuary. Your quiet place. You don't want it to sound like a castle lowering its drawbridge every time someone opens the garage door. CENTURION garage door motors respect the sanctity of silence. Put them to the test!

# RDO II

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



## Main Features

- 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 Switch

## Technical Specifications

RDO II	
Input voltage <sup>1</sup>	220V - 240V +/-10%, 50Hz
Motor voltage	24V DC
Motor power supply	Battery-driven <sup>2</sup> - 250mA charger - peak
Opener lifting force	30kgf
Door travel speed	100-150mm/sec
Duty cycle - mains present <sup>3</sup>	20% <sup>3,4</sup>
Daily operations - max	20
Maximum door size	6m <sup>2</sup> - (max width 2.8m)
Onboard receiver specification	CENTURION Voyager code-hopping, 433MHz, with 36 remote control button storage capacity

1. Can operate off a solar supply, consult Centurion Systems for assistance
2. Two 1.5Ah batteries (can be upgraded for longer power failure autonomy)
3. Based on a pull force of less than 50% of rated
4. Based on 25°C ambient temperature

## XTrac

Quiet, safe and reliable garage door motor 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 up to four onboard functions

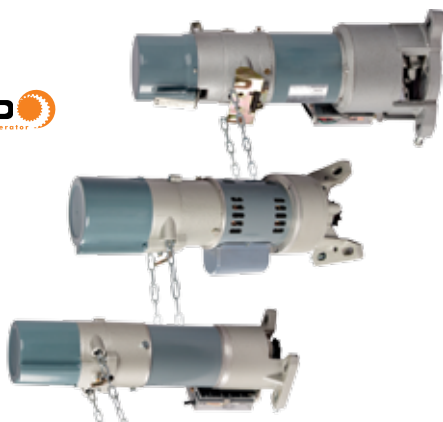
### Technical Specifications

XTrac	
Input voltage <sup>1</sup>	180V - 270V AC @ 50/60Hz
Motor voltage	24V DC
Motor power supply <sup>2</sup>	Dual supply - 150VA powerpack, 200mA charger
Opener lifting force - max	120kgf
Door travel speed	90 - 125mm/sec (adjustable)
Duty cycle - mains present <sup>3</sup>	20% <sup>3,4</sup>
Daily operations - max	20
Operations in Standby Mode	12 to 30 <sup>5</sup>
Maximum door size	12m <sup>2</sup> - (max width 6.5m)
Onboard receiver specification	CENTURION code-hopping single channel, 433MHz, with 22 remote control button capacity

1. Can operate off a solar supply, consult Centurion Systems for assistance
2. Two 1.5Ah batteries (can be upgraded for longer power failure autonomy)
3. Dependant on door size, weight, height and duration of power failure
4. Based on 25°C ambient temperature
5. Based on a lifting force of less than 50% of rated

# 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 equipment<sup>2</sup>
- Integrated ChronoGuard timer functionality (a world first)<sup>3</sup>
- Onboard CENTURION code-hopping multichannel receiver with selective add and delete<sup>3</sup>
- Multiple operating modes, including Intruder-detection Alarm Modes (a world first)<sup>3</sup>

## Technical Specifications

	RSO5R	RSO5	RSO5DC	RSO5RE	RSO5R3P	RSO9
Input voltage	220V - 240V AC ± 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 <sup>1</sup>	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. ±10%

2. RSO5, RSO5R and RSO5DC only

3. RSO5DC only



## 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 maintenance<sup>1</sup>
- Standardised size allows the FLUX 11 to be incorporated into any existing 11-pin base<sup>2</sup>
- 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 Specifications

	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

## i5

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.



### Main Features

- Wide infrared 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 Specifications

i5	
Power supply	12V - 24V DC/AC
Power consumption	Transmitter - 21mA, Receiver - 43mA @ 12V
Maximum distance	40m
Alignment <sup>1</sup>	Automatic - 9m <sup>2</sup> @ 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

## PHOTON

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



# Photon

### 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 security<sup>3</sup>

### Technical Specifications

PHOTON	
Power supply	Transmitter: 2 x AA Alkaline batteries (supplied) <sup>1</sup> 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 <sup>2</sup>	Automatic - 1m <sup>2</sup> @ 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

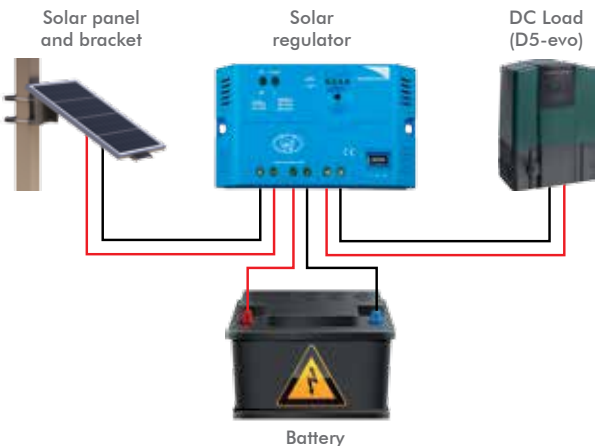
## SOLAR

Our range of solar panels are constructed from ultra-efficient polycrystalline and have been designed to provide a reliable and cost-effective alternative energy solution for applications where mains power is either not available, or not desirable. We also supply brackets, regulators, deep cycles batteries and battery enclosures meeting your every solar need



## Main Features

- Minimal voltage drops even in shade
- White tempered glass, EVA resin, weatherproof film and anodised aluminum frame to provide efficient protection from the severest environmental conditions
- Perfect for grid applications
- Durable with limited maintenance and repair
- Easy to install and set up with our custom-made mounting bracket, saving you time and money
- Complete power failure autonomy, off-the-grid
- Cost-effective and reliable source of power
- Helps decrease your consumption of electricity from the grid
- Easy mounting with a revolutionary jacking system
- Durable with limited maintenance and repair
- Environmentally friendly



## Solar Panel Technical Specifications

Type of Module	40W	60W	80W	100W	150W
Maximum Power	40W	60W	80W	100W	150W
Tolerance	± 3%	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage	22.2V	22.2V	22V	22V	22,5V
Short Circuit Current	2.37A	3.56A	4.85A	6,06A	8,56A
Maximum Power Voltage	18.2V	18.2V	18V	18V	18,5V
Maximum Power Current	2.2A	3.3A	4.44A	5,56A	8,11A
Module Efficiency	12.84%	14.22%	13.05%	14,9%	15,2%
Solar Cell Efficiency	17.3%	17.26%	17.2%	17,2%	17,1%
Series Fuse Rating	15A	15A	15A	15A	15A
Terminal Box	IP65	IP65	IP65	IP65	IP65
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC
Operating Temperature	-40°C - 85°C	-40°C - 85°C	-40°C - 85°C	-40°C - 85°C	-40°C - 85°C
Dimensions	465mm x 670mm x 25mm	630mm x 670mm x 30mm	915mm x 670mm x 30mm	1005mm x 670mm x 30mm	1480mm x 670mm x 35mm
Weight	4kg	5.1kg	7.3kg	8kg	12kg

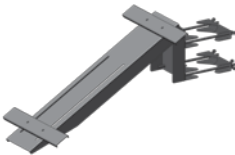
## Solar Regulator 20A CHR9 L/SHED PWM USB

For monitoring the condition of your battery according to the power generated by your solar panels.



## Universal Solar Panel Bracket Assembly

Robust and versatile galvanised mild steel bracket suitable for mounting a variety of solar panels between 20W and 150W in size.



## Deep Cycle Battery 12V 33AH



## NOVA HELIX 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 HELIX Multichannel Receivers

Perform up to four different activations with CENTURION's 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
- Choose between ultra-secure Master Learning and super easy Link Learning
- Learn links can be disabled for added security
- Supports SmartSwitch II interfacing capabilities
- Convenient Autolearn feature
- Adjustable pulse time

## NOVA

CENTURION's 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!

### 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
- Available with one to four buttons<sup>1</sup>
- 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
- Sleek and sophisticated carbon look
- Durable and robust silicone buttons

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



# 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 Specifications

<b>SupaHelix</b>	
Supply voltage	10.5V – 30V DC
Standby current	12V: 100mA
	24V 70mA
Maximum current	2V: 270mA
	24V: 230mA
Operating temperature	-20°C - +70°C
Housing material	ABS
<b>Functional Data</b>	
Memory capacity	10 000 individual buttons
Input filter	0 – 9999 sec in 1 sec increments
Network compatibility	-
SIM card required	-
Inputs/Outputs	Maximum three (selectable as any combination of open collector outputs and/or switch-to-negative inputs)





## 2G GSM MONITORING AND CONTROL

Monitor and control anytime, anywhere, for maximum security and convenience

# 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 Mwith a Missed Call (free), Please Call Me (free) or SMS
- Easy setup and administration via CENTURION's password-protected G-WEB<sup>1</sup> 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 bootloadable<sup>1</sup> - update device firmware from the comfort of your home or office

## Technical Specifications

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

## MyGSM

The MyGSM range puts you at the controls, allowing you to take access control with you wherever you go!



### Main Features

- Control up to eight<sup>1</sup> different devices from anywhere in the world with a 2G network using your mobile phone or landline
- Monitor by receiving SMS alerts
- Activate devices with a Missed Call (free), SMS or even a Please Call Me (free)
- Easy setup and administration using the MyGSM website, your computer's USB port or your phone
- Communicate with up to 5000 users
- Dedicated signal strength button – convenient and saves time
- Rising and falling edge capabilities - perfect for monitoring power, alarms, etc.
- Inputs are optically isolated for greater versatility and protection
- Removable antenna
- Secure web portal for easy administration of MyGSM devices
- Dual SIM card slots means that the unit is always online<sup>1</sup>
- Removable terminal strips for ease of maintenance<sup>1</sup>
- Convenient DIN-rail mount enclosure – ideal for industrial applications<sup>1</sup>

1. MyGSM 8180 only

# MyGSM

The MyGSM Web Portal is your gateway to a world of absolutely mind-blowing functionality, not to mention supremely easy administration of all your MyGSM modules



## Main Features

- Three different user profiles to choose from - great flexibility
- Easily add, edit and delete users from a single profile page
- Send bulk SMSs to users and clients - perfect for Bed and Breakfasts to communicate with visitors
- Time-based user access - limit access times to your entire unit, individual outputs or individual users for added security<sup>1</sup>
- Activation programming<sup>1</sup> - MyGSM lets you specify daily activation and de-activation times, saving you all the hassle
- Usage logs - detailed logs can be scheduled to be delivered right to your inbox daily, weekly or monthly
- Guest management<sup>1</sup> - specify arrival and departure dates and times for guests to have access to a unit

1. Full user only

## G-WEB PLUS

Take even more control of your CENTURION GSM devices and enjoy increased convenience and functionality at your fingertips.



### Main Features

- Easy user interface to set up and administer Centurion GSM devices
- Password-protected security
- Control all your CENTURION GSM devices - including the G-SPEAK intercom system - 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 and multi-language support
- View and export transaction logs to monitor usage
- Synchronises all settings and logs seamlessly, including detailed reports of all changes made via website
- Purchase synchronisation credits online via secure payment gateway
- Configure advanced features such as All Pass Mode, time-based access control and rising and falling edge input triggering, from the comfort of your home or office
- Support for multiple languages

### 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



## ACCESS CONTROL SYSTEMS

Unlock the future of security with CENTURION's diverse range of proximity and biometric access control devices.

## 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
- Three<sup>1</sup> / 15<sup>2</sup> channel output
- Selectively add and delete user codes
- Backup Memory Module
- Limited uses counter
- Fully weatherproof with backlit keypad
- SmartSwitch for tamper-proof outputs<sup>1</sup>
- Operates on two AA Alkaline batteries<sup>2</sup>, or a separate 12V power supply
- Up to two years of battery life with up to 300 uses per day<sup>2</sup>
- Operating range of up to 30 metres<sup>2</sup>
- Compatible with CENTURION code-hopping receivers<sup>2</sup>
- Optional anti-knock shield

### Technical Specifications

	SMARTGUARD	SMARTGUARDair
Operating temperature	-20°C to +60°C	-18°C to +55°C
Operating humidity	0-90% <sup>3</sup>	
Housing material	Polycarbonate	
Degree of protection	IP55	
Battery life	-	Two to five years <sup>4</sup>
Memory capacity	1000 unique codes (non-volatile)	
Memory retention	>200 years	
Limited-uses codes <sup>5</sup>	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

# 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

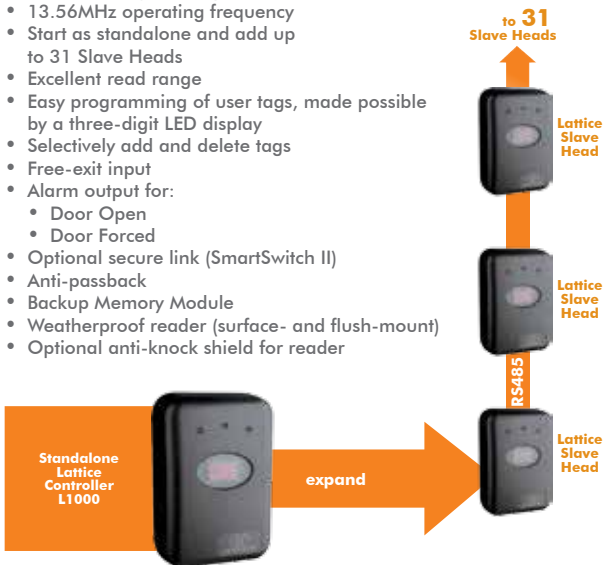
Start as a standalone proximity unit and expand into a powerful networked system with up to 32 readers



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 is accessible from any PC in a networked system



## 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
- OLED Display for diagnostics



Proximity readers  
SSR-201 and  
SSR-202



Door Controllers  
SDC-320, SDC-620  
and SDC-650



SACS Corporate  
Edition  
Sss-110

## 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 Control<sup>1</sup>
- Wi-Fi connectivity with smart phone application for full user setup and administration from anywhere in the world with network coverage<sup>1</sup>
- Registration and authentication levels set by user for added control
- High-performance processor
- Patented search algorithm

1. Certain models

# POLOphone

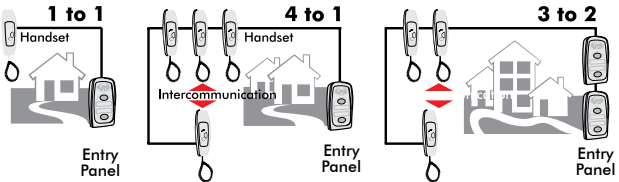
Incredibly versatile and reliable audio intercom for domestic and small commercial or industrial installations



**POLO**phone  
INTERCOM

## 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 POLOswitch<sup>1</sup> 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

## 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
- Compatible with G-WEB PLUS interface (Refer back to GSM Devices)

### Technical Specifications

G-SPEAK CLASSIC+	
Input voltage	10V - 30V DC
Surge protection	Yes
Entry panel illumination	Call buttons and labels with backlit white LEDs
Channels	4 - Inputs/Outputs (configurable)
Network compatibility	2G GSM 850/900/1800/1900MHz
<b>Functional Data</b>	
Switch Phones	100
Voice Phones	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	<ul style="list-style-type: none"><li>• Talk Mode</li><li>• Listen Mode</li><li>• SMS activation of outputs</li></ul>

## MKII

Cellular network-based multi-unit intercom that allows convenient screening of visitors at the entrance to large residential or business properties before allowing access



### 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 - SIM card not 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
- Programming can be done online<sup>2</sup> or manually at the unit
- Online resident database administration
- Battery backup and built-in lightning protection
- Robust and durable entry panel
- CENTURION code-hopping remote control integration and management<sup>1</sup>
- 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
- 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
- Quick and reliable synchronisation and firmware updating
- Both successful and attempted-only gate openings are recorded

1. Built into the MKII - requires MKII CENTURION Loader, available from Centurion Systems  
 2. Requires a web access voucher

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