GSM-BASED MONITORING AND CONTROL DEVICES

GSM modules are the wave of the future when it comes to high-security – yet cost-effective – monitoring and control.

GSM modules from Centurion Systems allow you to monitor and control electrical devices using your mobile phone or landline, giving you the freedom and peace of mind to take home security with you wherever you go.

This quick selection guide will help you make an informed decision when selecting a **GSM** monitoring and control device.

	G-SWITCH-22	MyGSM 8I8O
Input voltage range	11V – 30V DC	12V – 24V DC
Number of inputs	2	8
Number of outputs	2	8
Microphone and speaker	-	Optional microphone and speaker
Expandable inputs	-	Expansion Port available
Expandable outputs	-	Expansion Port available
Web interface	√	√
Reacts to SMS and Missed Call	√	√
Reacts to 'Please Call Me'	√	√
Programming	Web, SMS	Web, SMS, USB
Maximum number of users	1200	5000
Full reporting	Web-based	Web-based
Limited uses counter	Based on number of uses	Time-based
Time-based access modes	√	√
Number of SIM card slots	1	2
Low airtime warning	On request	On request
Over-the-air firmware updating	√	Yes (upon request)
Inputs can be set to react to Rising/Falling/Both edges	√	√

G-WEB PLUS
ONLINE INTERFACE FOR SETTING UP AND ADMINISTERING GSM DEVICES

Use the power of the internet to administer your CENTURION's **GSM** device from anywhere.

Whether you want to add or delete users, edit device settings, view transaction logs, load airtime or even bootload the **GSM** product with the latest firmware, **G-WEB PLUS** gives you the freedom to do so without having to leave your home or office. Compatible with G-SWITCH-22 and G-SPEAK Classic+.

MAIN FEATURES

- Easy user interfaces to set up and administer Centurion Systems' **GSM** devices
- Password-protected for excellent online 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
- 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
- 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, including detailed reports of all changes made via website
- Multi-language support
- Purchase synchronisation credits online via secure payment gateway

Centurion Systems (Pty) Ltd is a Company of the
FAAC *Simply Automatic Business Unit*

FAAC
Simply automatic.

50 YEARS
1965 | 2015

G-SWITCH-22
2G GSM-BASED MONITORING AND CONTROL DEVICE

The CENTURION' **G-SWITCH-22** gives you complete control at your fingertips. With the ability to switch devices on and off and send you alerts – all via your phone – the **G-SWITCH-22** lets you look after your home or business from just about anywhere with a 2G GSM network. The **G-SWITCH-22** offers two outputs for activation, and two inputs for monitoring and can be effortlessly and securely administered using the free G-WEB PLUS online portal or via SMS.

MAIN FEATURES

- Control two electrical devices, such as an automated gate and garage door operator, from anywhere in the world

- Monitor a system by receiving SMS alerts - for example when your mains power has failed or your alarm has been activated

- Caters for up to 1200 users, making it suitable for multi-user installations

- Activate devices with a Missed Call (free), Please Call Me (free) or SMS

- Easy setup and administration via CENTURION's G-WEB PLUS online interface, or via SMS from your mobile phone

- Secure access with password protection for enhanced system security

- Inputs can be set to react to Rising Edges, Falling Edges or both - ideal for monitoring mains, alarm states, etc.

- Stores up to 3000 detailed transaction logs for greater peace of mind

- Adjustable Filter and Blanking Times - make event monitoring work for you

- Over-the-air bootloadable - update device firmware from the comfort of your home or office

www.centsys.com

TECHNICAL SPECIFICATIONS

Technical Data	G-SWITCH-22
Input voltage	11V - 30V DC only
Standby current	100mA
Maximum current	500mA
Operating temperature	-20°C - +85°C
Output relay rating	1A @ 30V DC (Outputs 1 and 2)
Housing material	ABS
Degree of protection	IP55
Memory capacity	1200 individual numbers
Memory retention	>200 years
Output pulse time range	1ms (default) to 50 days
Network required	3G GSM 900/1800MHz
SIM card required	Yes (activated)
Outputs	2 (potential-free)
Inputs	2 (reacts to Rising, Falling or both edges)
Packaging weight	168g
Packaging dimensions	Length: 90mm x Width: 48mm x Height: 140mm

EXAMPLES OF DEVICES THAT CAN BE MONITORED VIA G-SWITCH INPUTS:

- House alarm: Activated
- Electric fence: Alarm triggered
- Geyser status: On/Off
- Mains power: On/Off
- Fridge aboard your boat: On/Off
- Borehole pump status: Running/Off
- Water reservoir: Full/Empty
- Entrance gate status: Open/Pedestrian
- Vehicle monitoring: Ignition or alarm activated or deactivated, or off or your reservoir is full or empty

EXAMPLES OF DEVICES THAT CAN BE SWITCHED ON, OFF OR ACTIVATED VIA G-SWITCH OUTPUTS:

- Automated entrance gates and garage doors
- Geysers
- Borehole pumps
- Alarm systems
- Lights
- Airconditioners
- Refrigerators
- Pool pumps

116mm · 67mm · 33mm · 120mm · 20mm

GSM-BASED MONITORING & CONTROL SYSTEMS

MyGSM 8I8O
2G GSM MONITORING & CONTROL

With eight inputs and eight outputs, the **MyGSM 8I8O** is well-suited for industrial applications and multiple input monitoring and activations on a single site.

MAIN FEATURES

- Control up to eight different devices from anywhere in the world 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) [1]
- Easy setup and administration using the **MyGSM** website, your computer's USB port or your phone
- Caters for up to 5000 users
- Dedicated signal strength test 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
- Removable terminal strips for ease of maintenance
- Convenient DIN-rail mount enclosure – ideal for industrial applications
- Microphone output – can be used as a listening-in device

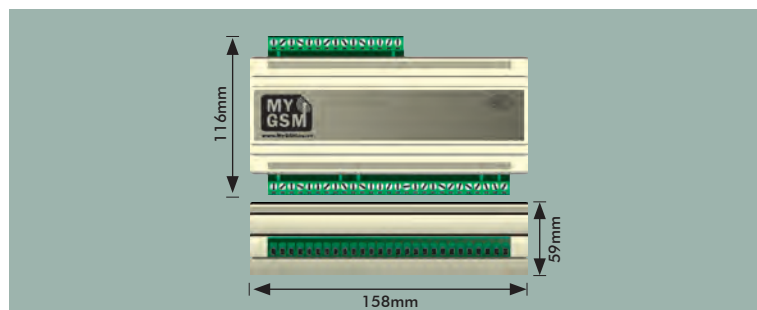**1.** Subject to availability on GSM service provider's network

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CENTURION

TECHNICAL SPECIFICATIONS

Technical Data	MyGSM 8I8O
Supply voltage	12V – 24V DC only
Standby current	50mA @ 12V DC
Maximum current	500mA
Operating temperature	-20°C - +85°C
Output relay rating	1A @ 30V DC (Outputs 1 to 8)
Housing material	ABS (DIN rail mounting)
Degree of protection	IP54
Packaging weight	488g
Packaging dimensions	Length: 223mm x Width: 163mm x Height: 67mm

Functional Data	MyGSM 8I8O
Memory capacity	5000 individual numbers
Memory retention	>200 years
Output pulse time range	2 sec or latch
Network required	2G GSM 900/1800MHz
SIM card required	Yes (activated); Dual SIM card capacity
Outputs	8 (potential-free)
Inputs	8 (optically-isolated); 10 numbers per input can receive alerts

EXAMPLES OF DEVICES THAT CAN BE MONITORED VIA MYGSM 8I8O INPUTS

- Pump houses (many different pumps)

- Monitor and control multiple refrigeration units

- Use it in a generator room to monitor the power and fluid levels of multiple generators

- Perfect for electric fence systems where there are several energisers

- Create your own GSM alarm system for monitoring each room in your house by connecting a passive sensor to each of the inputs

ADVANCED GSM MONITORING & CONTROL SYSTEMS