

ADVANCED ACCESS CONTROL & MONITORING SYSTEM



CENTURION



SupaHelix™



Take monitoring
and control to
the next level



SupaHelix™

SupaHelix hasn't just raised the bar in multi-unit access control – it's changed the game completely. It's high-security controller with intuitive navigation interface makes for an access control system that delivers unmatched convenience, security, logging and administration.

With **SupaHelix**, you'll enjoy a multitude of features as well as easy administration and event logging for your peace of mind.

Main features

Store up to 10 000 remote buttons

This isn't the So-So Helix, it's the **SupaHelix**, which means that there are no half measures taken. With a huge memory capacity (10 000 remote buttons), the **SupaHelix** is most at home in large, high-density residential, commercial and government installations.

Flexible input/output channels

Each of the three channels can be configured as either an input or an output, and the output mode can be set to be momentary, pulsed or latching. Outputs can be used to open an automated gate, switch on a pool pump or control any number of electrical devices, while inputs are perfect for performing monitoring operations, such as tracking how many times, and when, a safe door has been opened.

Clever design

No matter how passionate one is about technology, nobody likes spending hours trying to determine which wire goes where. The **SupaHelix** provides removable terminal strips so that setup and maintenance can be as hassle-free as its other attributes.

Transaction logging

The **SupaHelix** electronically logs each and every transaction, enabling you to monitor user activity for greater security as well as performing system diagnostics. The unit will even tell you when it was last powered down!

Easy setup and visual diagnostics

The most advanced civilisations in history knew the power of conveying information visually – with a large LCD screen and user-friendly four-button navigation, setting up the system and taking care of administration is as intuitive as taking your next breath.

Effortless backup and updating of firmware

The **SupaHelix** provides a convenient onboard USB port which can be used to back up or restore all learned-in users and system settings onto a memory stick within a matter of seconds, and to bootload updated firmware just as quickly. In addition, the removable SD card included with the controller contains the entire system's data for quick recovery.

Rising and falling inputs

Inputs can be configured to send notifications on either rising or falling inputs, or both, making the **SupaHelix** the ideal solution for monitoring mains power and alarm systems. The system also comes standard with a built-in input filter which will, if enabled, allow the system to only send notifications if the rising or falling states have been active for the user-configured time.

Easy management of individual access

Users can be selectively added or deleted, within groups and subgroups, which means no more tiresome, disruptive and frustrating blanket operations. Each user can easily be given the individual attention they deserve!

Good looking

The **SupaHelix's** stylish enclosure matches its powerful, multi-faceted brain. Sleek curves that seamlessly flow into one another and a wholly modern look, make **SupaHelix** an attractive and unobtrusive piece of technology.



Optional GSM Module

When **GSM** technology meets powerful access control and monitoring, the result is a solution that leaves others in its dust. Unlock the full potential of **SupaHelix** with the plug-in **GSM Module** and your reward will be rich functionality, ironclad security and the ultimate in convenience.

Main features

Improved monitoring capabilities

With the **GSM Module** fitted, you'll be able to use your **SupaHelix's** inputs to their full potential and receive SMS notifications on your phone of events such as an alarm being activated, a gate left open and mains power failed. You can also query the system health remotely, saving you all the hassle of going to site and ensuring that the system always runs smoothly.

Offsite firmware updating

GSM is short for 'Great Saver of Money' – okay, not really, but you'll be saving considerably on fuel since you won't even need to drive to site to bootload your **SupaHelix** with the latest firmware. With the **SupaHelix GSM Module**, you'll be able to bootload with the click of a mouse.

Over-the-air backup

Data security is guaranteed with full system backup over-the-air with each synchronisation.



An effortless addition

Like bacon and eggs, the **SupaHelix** Programming Console and **GSM Module** were made for each other. The **GSM Module** simply plugs into the side of the Console, so there's no need for additional wiring or interfaces.

User access via mobile phone or landline

Think 10 000 is an impressive number? Well, it is, but 20 000 is an even more impressive number! With the **SupaHelix GSM Module** fitted, you'll be able to add an additional 10 000 users to the system. **GSM** users are able to activate any or all of the device's outputs via a Missed Call (free), SMS or Please Call Me (free)*. Open your gate, arm an alarm, switch on a pool pump or activate a sprinkler system (to name but a few possible applications) from absolutely anywhere in the world with **GSM** network coverage!

*Dependant on network

Web-based remote control and administration

It's never been easier to add, edit and delete remotes! You don't even need to go to site. Simply use the NOVA uploader plugged into your computer, sync them into the **SupaHelix** via the Internet and they're in. With your purchase of the **SupaHelix GSM Module**, you also get free lifetime access to Centurion Systems' secure online user interface, **G-WEB**, allowing you to take care of user administration from the comfort of your office.



Technical specifications

Physical

Supply voltage	10.5V - 30V DC	
	12V	24V
Standby current	100mA(110mA ⁺)	70mA(80mA ⁺)
Maximum current	270mA(500mA ⁺)	230mA(400mA ⁺)
Operating temperature	-20°C to +70°C	
Output rating	Open collector - maximum current 50mA per channel	
Display	2.4" 128 x 64 transfective with backlight	
Housing material	ABS	
Degree of protection	IP50	

Functional

Memory capacity	10 000 individual buttons and 10 000 mobile numbers ⁺
Output pulse time range	0.5 sec – 9 999 sec in 0.5 sec increments
Input activation	Rising edge; falling edge; both
Input filter	0 – 9 999 sec in 1 sec increments
Inputs/outputs	Maximum of three (selectable as any combination of open collector outputs and/or switch-to-negative inputs)
Network compatibility	GSM 900/1800MHz
SIM card required	Yes (with voice and data services enabled and airtime)

⁺With optional GSM Module fitted

Features

	SupaHelix	With GSM Module fitted
Control three channels	✓	✓
Easily add and delete remote buttons	✓	✓
Visual diagnostics	✓	✓
Transaction logging	✓	✓
System backup and restore	✓	✓
Daylight Savings Time feature	✓	✓
Capacious memory	10 000 remote buttons	10 000 remote buttons and 10 000 mobile numbers
Operate outputs via mobile phone		✓
Web-based administration		✓
Input monitoring via SMS		✓
Offsite adding and administration of remote controls and mobile numbers		✓
Over-the-air backup		✓
Over-the-air firmware upgrade		✓

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