

PowerSeries Neo v1.3 Control Panels **HS2016, HS2064, HS2128**



Features That Make a Difference:

- 16 to 128 zone panel configurations
- PowerG – robust, industry leading commercial grade wireless
- Intuitive, quick installation
- User-friendly interfaces
- Visual alarm verification
- 2-way audio alarm verification via phone or cellular
- Alternate Communications via Cellular and IP
- Local and Remote Downloading
- Cost efficiencies through advanced system software
- 128 bit AES encryption (wireless, communicator & BUS)
- Remote firmware upgrade (panel/keypads/transceiver)

PowerSeries Neo is Security Redefined

PowerSeries Neo redefines intrusion security by combining the flexibility of a modular, hardwired system with the simplicity of a wide range of wireless devices and peripherals, resulting in the most comprehensive hybrid system available in the market today.

This brand new and exceptionally flexible platform leverages the superior capabilities of PowerG – the industry's leading-edge wireless intrusion technology. Innovative alarm verification solutions, together with an exceptionally comprehensive remote service software suite, make PowerSeries Neo the ideal first-class solution for residential and scalable commercial installations.

PowerSeries Neo Revolutionary Control Panels with Flexible Scalability & Expansion

PowerSeries Neo control panels are the heartbeat to this revolutionary hybrid system. The four control panels in the PowerSeries Neo portfolio, ranging in capacity from 16 to 128 zones and two to eight partitions, providing solutions for

the spectrum of installations. Each control panel starts with six or eight hardwired inputs, two- four hardwired outputs and PSTN communication onboard. The system can be tailored for specific installations with added expansion capabilities, features and services. The modular and scalable structure of PowerSeries Neo provides a cost effective, tailored solution for even the most demanding installations. It includes a complete line of expansion modules to fit the requirements of today's installations while protecting the investment and ensuring growth in the future.

New Management System Software Custom Designed to Make Installation & Maintenance a Breeze

PowerSeries Neo introduces the most comprehensive suite of support software in the industry, designed specifically to help security professionals significantly cut time and cost invested in the installation and maintenance of the system.

The suite includes DLS5 Downloading Software and Routine System Management for remote diagnostics, inspections and maintenance.

Innovative Alarm Verification Solutions Reduce False Alarms & Unnecessary Site Checks

PowerSeries Neo utilizes innovative, regionally compliant alarm verification solutions such as visual verification, two-way audio verification and sequential detection, greatly reducing incremental costs that can be incurred by false alarms, while adding to the security professional's RMR. Leveraging powerful support software, an accurate remote assessment is made of the situation inside the premises when an alarm is triggered by a burglary attempt, fire or other emergency. This eliminates the need for unnecessary site checks – ultimately saving time and cost while enabling responders to be alerted about any potentially dangerous situations.

Flexible Communications Offer Ultimate Peace of Mind

As traditional phone lines become less common and more users choose VoIP or mobile phones, PowerSeries Neo offers optional Cellular and/or IP communication methods. When connected to any PowerSeries Neo control panel, alarm reporting paths can be combined through the Public Switched Telephone Network (PSTN) if so desired, plus Cellular and/ or IP channels. The PowerSeries Neo communicators can conveniently utilize the Cellular and/ or IP network as a primary or back-up communication path to ensure high speed, reliable and secure alarm communications. The integrated communicators also allow security professionals to offer RMR services such as alarm verification, even in instances where a traditional phone line is not present.

The Power of PowerG:

The power behind PowerSeries Neo lies in various innovative technologies, including the revolutionary **PowerG**, which, bundled together, provide a robust and feature-rich platform designed to reduce operational costs for dealers and provide ultimate reliability for end users.

- Multichannel, **Frequency Hopping Spread Spectrum** technology enables the system to hop between wireless frequency channels to ensure the seamless transmission of secure communications between the devices and the control panel.
- **Adaptive Transmission Power** translates into up to eight years of battery life for the system's devices and peripherals, reducing battery- replacement incurred costs.
- **High transmission ranges** allow for devices to reliably communicate within up to 2km/1.24 miles line-of-sight, therefore reducing the cost of installing additional repeaters to service larger premises.
- **TDMA synchronized communication technology** prevents messages from colliding by splitting channels into various time slots, allowing for an increased amount of data transmission and ensuring that devices are able to consistently communicate when needed.
- **128 bit AES encryption** offers exceptionally high level of protection against analysis tools and digital attacks.

Compatibility

PowerSeries Neo Hardwired Keypads

Full Message LCD Hardwired Keypad with Prox Support HS2LCDPE

PowerSeries Neo Hardwired Keypads with Built-In PowerG 868Mhz Wireless Transceiver

Full Message LCD Hardwired Keypad with Built-in Transceiver and Prox Support - 868Mhz HS2LCDRFP8E

PowerSeries Neo PowerG Wireless Keypads

Wireless Full Message LCD keypad with Prox Support and Voice Prompting - 868Mhz HS2LCDWFPV8E

PowerSeries Neo PowerG Standalone Transceivers

Note: keypad with built-in transceiver modules are listed **PowerG** – Transceiver Modules

PowerG – Host Standalone Transceiver Module - 868Mhz HSM2HOST8

PowerG Wireless Devices

Smoke Detector	SMD-426 PG2
Smoke and Heat Detector	SMD-427 PG2
CO Detector	GSD-441 PG2
PIR Motion Detector	NEXT PG2
PIR Motion Detector with Integrated Camera	NEXT CAM PG2
PIR Curtain Motion Detector	CLIP PG2
Dual-Tech (PIR & MW) Motion Detector	TOWER-32AM PG2
Mirror PIR Motion Detector	TOWER-30AM PG2
Outdoor PIR Motion Detector	TOWER-20AM PG2
Outdoor PIR Motion Detector with Integrated Camera	TOWER CAM PG2
Glass Break Detector	GB-502 PG2
Shock Sensor	SD-304 PG2
Flood Detector	FLD-550/551 PG2
Temperature Detector	TMD-560 PG2
4-Button Wireless Key	KF-234 PG2; KF-235 PG2
Repeater	RP-600 PG2
Door/Window Contact with Auxilliary Input	MC-302E PG2
Door/Window Contact	MC-302V PG2
Single Button Panic Key	PB-101 PG2
2-Button Wireless Key	PB-102 PG2

*Includes Pet Immunity

Visual Alarm Verification

Note: Requires Central Monitoring Station to utilize a **SG-System 5** Receiver and cellular or IP communicator

PowerG Wireless – PIR Motion Detector with Integrated Camera - 868Mhz	NEXT CAM PG2
PowerG Wireless Outdoor PIR Motion Detector with Integrated Camera - 868Mhz	TOWER CAM PG2

PowerSeries Neo Power Supplies and High & Low Current Output Expansion

High Current Output Module	HSM2204
Output Module	HSM2208

PowerSeries Neo Hardwired Expansion and Detectors

8 Zone Expander Module	HSM2108
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Alternate Communicator Options

HSPA Cellular Alarm Communicator	3G2080E
Internet Alarm Communicator	TL280E
Internet and HSPA Dual-Path Alarm Communicator	TL2803GE

Ordering Information

HS2016TNKVIS	6 to 16 zones
HS2064TNKVIS	8 to 64 zones
HS2128TNKVIS	8 to 128 zones

Specifications

Power Supply	16.5 VAC/40 VA @ 50/60 Hz
Current Draw (Panel)	85mA (Nominal)
Auxiliary Output	13.75 +/- 5% Vdc/700mA
Bell Output	13.75 +/- 5% Vdc/700mA
Operating Environment	32° tp 120° F (0° to 49° C)
Relative Humidity	93%

Control Panel Approval Listings

FCC/IC, CE, EN, SBSC, NCP, INCERT, FG, FP

Features

	HS2016	HS2064	HS2128
On-Board Zones	6	8	8
Hardwired Zones	16	64	128
Wireless Zones	16	64	128
Keypad Zone Support	Yes	Yes	Yes
On-Board PGM Outputs	PGM 1 = 50mA; PGM 2 = 300mA	PGM 1,3,4 = 50mA; PGM 2 = 300mA	PGM 1,3,4 = 50mA; PGM 2 = 300mA
PGM Expansion	16 x 50mA (HSM2208); 4 x 500mA (HSM2204)	64 x 50mA (HSM2208); 12 x 500mA (HSM2204)	128 x 50mA (HSM2208); 16 x 500mA (HSM2204)
Partitions	2	8	8
User Codes	47+ Master Code	499 Master Code	999 Master Code
Event Buffer	500 Events	500 Events	1000 Events
Hardwired Keypads (with or without prox)	8	8	16
Wireless Keypads (with or without prox or voice prompt)	8	8	16
Wireless keys	16	32	32
Wireless Repeaters	4	8	8
Proximity Tags	47	499	999