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.

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 Auxiliary Input .........................................................................MC-302E PG2
Door/Window Contact .........................................................................................................MC-302V PG2
Single Button Panic Key .....................................................................................................PB-101 PG2
2-Button Wireless Key .........................................................................................................PB-102 PG2

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

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