DSC

From Tyco Security Products

with PowerG Technology

PowerSeries Neo Control Panels

HS2016, HS2032, HS2064, HS2128

Compatible with: ALARM.COM

Features That Make a Difference:

- 16 to 128 zone panel configurations
- **PowerG** – robust, industry leading commercial grade wireless
- Simple partition management using Global keypads
- Compatible with Alarm.com home automation solutions with built-in Z-Wave capabilities through dual-path LTE/Internet and HSPA (3G)/Internet communicators
- 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 by DSC 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.

Bringing Home Closer

PowerSeries Neo is compatible with Alarm.com to deliver best in class smart home control and monitoring solutions. Anticipating future needs for a connected home, with infinite opportunities to maximise the system, PowerSeries Neo becomes an undisputed first-class investment.

PowerSeries Neo Revolutionary Control Panels with Flexible Scalability & Expansion

PowerSeries Neo control panels are the heartbeat to this revolutionary hybrid system. DSC offers 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, Routine System Management for remote diagnostics, inspections and maintenance, and WebSA System Administrator Software for professional end-user system management.

DSC

From Tyco Security Products

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 HS2LCD
Full Message LCD Hardwired Keypad with Prox Support HS2LCDP
ICON Hardwired Keypad HS2ICN
ICON Hardwired Keypad with Prox Support HS2ICNP
Hardwired 7 inch Touch Screen Keypad with Prox Support HS2TCHP
Hardwired 7 inch Touch Screen Keypad with Prox Support Black HS2TCHPBLK

PowerSeries Neo Hardwired Keypads with Built-In PowerG 915Mhz Wireless Transceiver

Full Message LCD Hardwired Keypad with Built-in Transceiver - 915Mhz HS2LCDRF9
Full Message LCD Hardwired Keypad with Built-in Transceiver and Prox Support - 915Mhz HS2LCDRFP9
ICON Hardwired Keypad with built-in Transceiver - 915Mhz HS2ICNRF9
ICON Hardwired Keypad with Prox Support and built-in Transceiver - 915Mhz HS2ICNRFP9

PowerSeries Neo PowerG Wireless Keypads

Wireless Full Message LCD keypad - 915Mhz HS2LCDWF9
Wireless Full Message LCD keypad with Prox Support - 915Mhz HS2LCDWFP9
Wireless Full Message LCD keypad with Prox Support and Voice Prompting - 915Mhz HS2LCDWFPV9
Wirefree deskmount stand with transformer HS2LCDWFDMK

PowerSeries Neo PowerG Standalone Transceivers

Note: keypad with built-in transceiver modules are listed **PowerG** – Transceiver Modules
PowerG – Host Standalone Transceiver Module - 915Mhz HSM2HOST9

PowerG Wireless Devices

Smoke Detector PG9926
Smoke and Heat Detector PG9916
CO Detector PG9913
PIR Motion Detector PG9914
PIR Motion Detector with Integrated Camera ..... PG9934P[1]
PIR Curtain Motion Detector PG9924
Dual-Tech (PIR & MW) Motion Detector ..... PG9984P[1]
Mirror PIR Motion Detector ..... PG9974P[1]
Outdoor PIR Motion Detector PG9994
Outdoor PIR Motion Detector with Integrated Camera PG9944
Glass Break Detector PG9922
Shock Sensor PG9935
Flood Detector PG9985
Temperature Detector PG9905
Optional External Waterproof Temperature Probe for Outdoor Refrigeration Measurment ..... (PGTEMP-PROBE)
4-Button Wireless Key[2] PG9929; PG9939
Indoor Siren PG9901
Outdoor Siren PG9911
Repeater PG9920
Door/Window Contact with Auxilliary Input PG9945
Door/Window Contact PG9975
Single Button Panic Key[2] PG9938
2-Button Wireless Key[2] PG9949

[1]Includes Pet Immunity

[2]maximum 32 devices maximum any combination

PowerSeries Neo Power Supplies and High & Low Current Output Expansion

Power Supply Module HSM2300
High Current Output Module HSM2204
Output Module HSM2208
Two-Way Audio Module HSM2955
Stand-Alone Audio Station PC5961E
Large Speaker Station PC5964E

PowerSeries Neo Hardwired Expansion

8 Zone Expander Module HSM2108

Alternate Communicator Options

HSPA Cellular Alarm Communicator 3G2080E
HSPA Cellular Alarm Communicator with RS422 Integration 3G2080RE
LTE/Internet Dual-Path Alarm Communicator with image sensor, compatible with Alarm.com services (US only) TL880LTVZ
HSPA/Internet Dual-Path Alarm Communicator with image sensor, compatible with Alarm.com services (LATAM only) TL8803GTF-LAT
HSPA/Internet Alarm Communicator with image sensor, compatible with Alarm.com services (LATAM only) TL8803GCO-LAT

DSC

From Tyco Security Products

HSPA/Internet Dual-Path Alarm Communicator with image sensor, compatible with Alarm.com services (Canada only) TL8803GRG
HSPA/Internet Dual-Path Alarm Communicator with image sensor, compatible with Alarm.com services (Peru only) TL8803GITF-PE
Internet Alarm Communicator TL280E
Internet Alarm Communicator with RS422 Integration TL280RE
Internet and HSPA Dual-Path Alarm Communicator with RS422 Integration TL2803GRE
Internet and HSPA Dual-Path Alarm Communicator TL2803GE
Communicator Remote Mounting Module PCL-422

Note: Please refer to www.dsc.com for a complete list of alarm.com compatible products

Control Panel 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° to 120° F (0° to 49° C)
Relative Humidity 93%

Control Panel Approval Listings

FCC/IC, UL/ULC, SIA CP-01, CSFM, CNC, Anatel

Note: Please refer to www.dsc.com for the most current approval listings.

PowerSeries Neo Feature Comparison Chart

Features	HS2016	HS2032	HS2064 E	HS2128 E
Number of On-Board Zones	6	8	8	8
Total Zones Supported	16	32	64	128
Keypad Zone Expansion	Yes	Yes	Yes	Yes
Hardwired Zone	Yes	Yes	Yes	Yes
Wireless Zone Expansion	Yes	Yes	Yes	Yes
Number of Hardwired Keypads	8	8	8	16
Number of Wireless Keypads	8	8	8	16
Number of Wireless Receivers	1	1	1	1
Number or Wireless Repeaters	4	8	8	8
On-Board PGM Outputs	2	2	4	4
Number of Main Panel Low-Current PGM Outputs	1	1	1	1
Number of Main Panel High-Current PGM Outputs	1	1	3	3
PGM Expansion	Yes	Yes	Yes	Yes
Number of Additional High-Current PGM Outputs	4	4	12	16
Number of Additional Low-Current PGM Outputs	16	32	64	128
Number of Access Codes	47 + master	71 + master	499 + master	999 + master
Number of Partitions	2	4	8	8
Panel Event Buffer	500	500	500	1000
Phone Line Supervision	Yes	Yes	Yes	Yes
Siren Supervision	Yes	Yes	Yes	Yes
Bell Output	Yes	Yes	Yes	Yes
SIA CP-01 Compliant	Yes	Yes	Yes	Yes
SMS Command and Control	Yes	Yes	Yes	Yes
Upload/Download Support	Yes	Yes	Yes	Yes
Direct-Connect (PC Link) Downloading Support	Yes	Yes	Yes	Yes
DLS SA End-User Downloading Support	Yes	Yes	Yes	Yes
Internet Alarm Communications	Yes	Yes	Yes	Yes
Audio Alarm Verification	with HSM2955(R)	with HSM2955(R)	with HSM2955(R)	with HSM2955(R)
Cellular Alarm Communications	Yes	Yes	Yes	Yes
Battery Required	Yes	Yes	Yes	Yes

PN 330001878

For product information
www.dsc.com

Product specifications and availability subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.
©2017 Tyco Security Products