DSC

From Tyco Security Products

with PowerG Technology

PowerSeries Neo v1.1 Control Panels

HS2016, HS2032, HS2064, HS2128

(Applicable to Brazil, Peru, Uruguay, Asia Pacific excluding China & India)

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 (v1.1 required)
- 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.

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 (coming soon) for professional end-user system management.

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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
16 LED Hardwired Keypad HS2LED
Hardwired 7 inch Touch Screen Keypad with Prox Support *(Coming Soon)* HS2TCHP

PowerSeries Neo Hardwired Keypads with Built-In PowerG 433Mhz Wireless Transceiver

Full Message LCD Hardwired Keypad with Built-in Transceiver - 433Mhz HS2LCDRF4
Full Message LCD Hardwired Keypad with Built-in Transceiver and Prox Support - 433Mhz HS2LCDRFP4
ICON Hardwired Keypad with built-in Transceiver - 433Mhz HS2ICNRF4
ICON Hardwired Keypad with Prox Support and built-in Transceiver - 433Mhz HS2ICNRFP4

PowerSeries Neo PowerG Wireless Keypads

Wireless Full Message LCD keypad - 433Mhz HS2LCDWFP4
Wireless Full Message LCD keypad with Prox Support - 433Mhz HS2LCDWFP4
Wireless Full Message LCD keypad with Prox Support and Voice Prompting - 433Mhz HS2LCDWFPV4

PowerSeries Neo PowerG Standalone Transceivers

Note: keypad with built-in transceiver modules are listed **PowerG** – Transceiver Modules
PowerG – Host Standalone Transceiver Module - 433Mhz HSM2HOST4

PowerG Wireless Devices

Smoke Detector PG4926**
Smoke and Heat Detector PG4916
CO Detector PG4913
PIR Motion Detector PG4904P/**
PIR Motion Detector with Integrated Camera PG4934/P**
PIR Curtain Motion Detector PG4924
Dual-Tech (PIR & MW) Motion Detector PG4984P*
Mirror PIR Motion Detector PG4974P*
Outdoor PIR Motion Detector PG4994
Outdoor PIR Motion Detector with Integrated Camera *(Coming Soon)* PG4944
Glass Break Detector PG4912
Shock Sensor PG4935**
Flood Detector PG4985**
Temperature Detector PG4905**
4-Button Wireless Key PG4929; PG4939
Indoor Siren PG4901
Outdoor Siren PG4911
Repeater PG4920
Door/Window Contact with Auxilliary Input PG4945
Door/Window Contact PG4975
Single Button Panic Key PG4938
2-Button Wireless Key PG4949

*Includes Pet Immunity

**Products subject to availability depending on country. Please check with your local sales representative

Visual Alarm Verification

Note: Requires Central Monitoring Station to ultilize a **SG-System 5** Receiver and cellular or IP communicator
PowerG Wireless – PIR Motion Detector with Integrated Camera - 433Mhz PG4934P
PowerG Wireless Outdoor PIR Motion Detector with Integrated Camera - 433Mhz PG4944

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 *(Coming Soon)* HSM2955
Stand-Alone Audio Station PC5961E
Large Speaker Station PC5964E

PowerSeries Neo Hardwired Expansion and Detectors

8 Zone Expander Module HSM2108
Acuity® Glassbreak Detectors AC-100, AC-101, AC-102, AC-500
Bravo® 5 360° Ceiling-Mount PIR Motion Detectors BV-500, BV-501, BV-502, BV-500GB, BV-501GB, BV-502GB
Bravo® 6 Twin, Dual-Element, Pet-Immune PIR Motion Detectors BV-600, BV-601, BV-602
Digital Bravo® 300 PIR Motion Detectors BV-300, BV-300D, BV-300DP

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Dual-Tech Outdoor Motion Detector (Double PIR & Microwave) with Pet Immunity LC-171
Dual-Tech Outdoor Motion Detector (Single PIR & Microwave) with Adjustable Pet Immunity LC-151
Encore™ PIR Motion Detectors EC300D, EC300DP, EC301, EC301D, EC301DP, EC302D, EC302DP
PIR Detector with Pet Immunity LC-100-PI, LC-103-PIMSK, LC-104-PIMW, LC-124-PIMW
Shock Sensors SS-102
Wired Photoelectric Smoke Detectors ..... FSA-210 Series, FSA-410 Series

Alternate Communicator Options

HSPA Cellular Alarm Communicator 3G2080
Internet Alarm Communicator TL280
Internet and HSPA Dual-Path Alarm Communicator TL2803G
Communicator Remote Mounting Module PCL-422

Note: Product availability subject to country specifications. Please contact customer service for further information.

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 ..... 0° to 49° C (32° to 120° F)
Relative Humidity 93%

Control Panel Approval Listings

FCC/IC, UL/ULC, A-TICK, C-TICK, IDA, CCC, ANATEL

Note: Product varies depending on country.

Features

	HS2016	HS2032	HS2064	HS2128
On-Board Zones	6	8	8	8
Hardwired Zones	16	32	64	128
Wireless Zones	16	32	64	128
Keypad Zone Support	Yes	Yes	Yes	Yes
On-Board PGM Outputs	PGM 1 = 50mA; PGM 2 = 300mA	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)	32 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	4	8	8
User Codes	47+ Master Code	71+ Master Code	94+ Master Code	94+ Master Code
Event Buffer	500 Events	500 Events	500 Events	1000 Events
Hardwired Keypads (with or without prox)	8	8	8	16
Wireless Keypads (with or without prox or voice prompt)	8	8	8	16
Wireless keys	16	32	32	32
Wireless Sirens	4	8	8	16
Wireless Repeaters	4	8	8	8
Proximity Tags	47	71	94	94

PN 300017718R001

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