

# DSC

From Tyco Security Products

# DRAFT

with  
**PowerG**  
Technology



## PowerSeries Neo Control Panels

HS2016, HS2032, 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 communication via phone line and 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 Power-G – 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, Remote Diagnostics Software for remote diagnostics, inspections and maintenance, and WebSA System Administrator Software for end-user system maintenance.

Product imagery and features are subject to change at time of launch.

panels, keypads & modules

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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 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

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

Full Message LCD Hardwired Keypad with Built-in Transceiver - 868Mhz.....	HS2LCDRF8
Full Message LCD Hardwired Keypad with Built-in Transceiver and Prox Support - 868Mhz .....	HS2LCDRFP8
ICON Hardwired Keypad with built-in Transceiver - 868Mhz .....	HS2ICNRF8
ICON Hardwired Keypad with Prox Support and built-in Transceiver - 868Mhz .....	HS2ICNRF8P8

## PowerSeries Neo PowerG Wireless Keypads

Wireless Full Message LCD keypad - 868Mhz .....	HS2LCDWF8
Wireless Full Message LCD keypad with Prox Support - 868Mhz.....	HS2LCDWFP8
Wireless Full Message LCD keypad with Prox Support and Voice Prompting - 868Mhz .....	HS2LCDWFPV8

## PowerSeries Neo PowerG Standalone Transceivers

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

<b>PowerG*</b> Host Standalone Transceiver Module - 868Mhz .....	HSM2HOST8
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## PowerG Wireless Devices

Smoke Detector.....	PG8926
Smoke and Heat Detector .....	PG8916
CO Detector.....	PG8913
PIR Motion Detector.....	PG8904P*
PIR Motion Detector with Integrated Camera.....	PG8934P*
PIR Curtain Motion Detector .....	PG8924
Dual-Tech (PIR & MW) Motion Detector .....	PG8984P*
Mirror PIR Motion Detector.....	PG8974P*
Outdoor PIR Motion Detector .....	PG8994
Glass Break Detector .....	PG8912
Shock Sensor .....	PG8935
Flood Detector .....	PG8985
Temperature Detector .....	PG8905
4-Button Wireless Key.....	PG8929; PG8939
Indoor Siren.....	PG8901
Outdoor Siren.....	PG8911
Repeater .....	PG8920
Door/Window Contact with Auxilliary Input .....	PG8945
Door/Window Contact .....	PG8975
Single Button Panic Key.....	PG8938
2-Button Wireless Key.....	PG8949

\*Includes Pet Immunity

## Visual Alarm Verification

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

Wireless <b>PowerG*</b> PIR and Camera Motion Detector – 868Mhz.....	PG8934P
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## PowerSeries Neo Power Supplies and High & Low Current Output Expansion

Power Supply Module .....	HSM2300
High Current Output Module.....	HSM2204
Output Module.....	HSM2208

## 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
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

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

## Control Panel Approval Listings

European CE Directives (EMC, R&TTE, LVD), INCERT (Belgium), NCP (Holland), NFA2P Type 2 (France), IMQ (Italy) Livello 2, SBSC (Sweden) Larmklass 2, EN 50131-1/-3/-6 Grade 2, Class II Environmental, FCC/IC, UL/ULC, F&P Class 2 Grade 2 (Denmark), FFSS Class 2 Grade 2 (Finland), FG Class 2 Grade 2 (Norway), ENV Class II, ATS Class II, CertAlarm

## 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	48	72	95	95