PowerSeries neo

The Next Generation in Scalable Commercial Security Solutions

DSC

From Tyco Security Products

Technologies collide in the most spectacular way, forming an evolutionary, high-powered hybrid security system suited to protect any business – today and tomorrow.

PowerSeries Neo captures the flexibility of a modular, hardwired system with the simplicity of a wide range of wireless devices and peripherals, resulting in a ground-breakingly comprehensive and versatile hybrid system best suited for residential through to scalable commercial installations.

Infused with industry-leading PowerG 2-way wireless communication, PowerSeries Neo's revolutionary technology forms the core of an unprecedented line-up of features designed to decrease operational costs for dealers while providing a multitude of expansion possibilities for commercial customers.

PowerSeries Neo is compatible with leading-edge interactive solutions supported by DSC, allowing for a variety of smart home control monitoring features. Anticipating future needs by infinite opportunities to maximise the system, PowerSeries Neo becomes an undisputed first-class investment for the long term of any business.

Four control panels ranging in capacity from 16 to 128 zones provide PowerSeries Neo with a reliable heartbeat to cater to a range of security system installations with even the most demanding partitioning requirements. These panels fully integrate with the extensive selection of PowerG- enabled devices which have been created with simplicity of installation and user-friendliness in mind. The bundled power of PowerSeries Neo is harnessed by distinctive software solutions, reminding you every step of the way that this isn't your typical security system.

Welcome to Security Redefined.

The Secret behind PowerSeries Neo: Mighty Communication Technology

DSC makes a powerful statement with PowerSeries Neo, a new feature-rich platform which leads the industry in redefining scalable commercial security.

The fusion of various state-of-the-art technologies result in a uniquely flexible and modular platform, enabling PowerSeries Neo to cater to a wide spectrum of intrusion industry needs, ranging from residential through to scalable commercial. PowerSeries Neo brings the best of technologies together, adding operational efficiencies while enhancing the reliability of high quality and secure communications.

As customers move towards using VoIP or mobile phones at their premises, PowerSeries Neo offers optional cellular and/or IP communication methods, with cellular and/or IP network as a primary or back-up communication path to ensure high speed, reliable and secure alarm communications.

PowerSeries Neo capitalizes on PowerG, the industry's leading-edge wireless intrusion technology, to offer a series of robust features geared towards decreasing operational costs while providing ultimate reliability in a security system.

The Power of PowerG

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 2 km/2187 yards 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. Other powerful features include protection against lost alarm messages, interference and frequency blocking. These features translate into a number of advantages for both dealers and customers. The system offers potential for extraordinary range to suit scalable commercial demands. Total control from remote allows for easy configuration of devices and peripherals as well as remote diagnostics. Optimized device placement via LED makes any installation quick and simple.

Alarm Verification Solutions

Reliable and effective alarm verification is paramount to any security monitoring service, allowing respondents to clearly identify emergent situations and to take appropriate action more rapidly.

PowerSeries Neo utilizes innovative, regionally compliant alarm verification solutions such as visual verification and two-way audio and sequential detection, greatly reducing incremental high costs that can be incurred by false alarms and unnecessary site-checks while adding to the security professional's RMR. Leveraging numerous technologies as well as the highly effective Support Software, users can accurately but also remotely assess the situation inside the premises when an alarm is triggered by a burglary attempt, fire or other emergency. The software capabilities also eliminate the need for unnecessary site checks – ultimately saving time and cost while enabling responders to be alerted to any potentially dangerous situations.

Double-Checking, for Absolute Peace of Mind

Visual Verification: PowerSeries Neo offers the most sophisticated visual verification solutions through strategically installed PIR cameras which are activated the moment an alarm is triggered. Based on images sent instantly through to the monitoring facility equipped with a Sur-Gard System 5 Receiver, the situation can rapidly and accurately be assessed and escalated to authorities, if required, while providing respondents with critical information.

Audio Verification: PowerSeries Neo utilizes audio alarm verification through a built-in microphone in peripherals which, once an alarm is triggered, allows security service providers to call into the system and listen in on any sounds within the premises to better assess the situation. Any occupants within the premises can also be contacted via a built-in speakerphone for verbal confirmation of the validity of the alarm.

Sequential Alarm Verification: Based on customizable criteria, the PowerSeries Neo panel is able to intelligently monitor associated devices and intrusion-related events to effectively discern real, from false, alarms. Only once the panel has detected a real intrusion sequence of events, the alarm is confirmed with central stations for immediate notification of authorities.

PowerSeries neo

PowerSeries Neo Control Panels:

The heart of a new universe in security solutions.

The modular and scalable structure of PowerSeries Neo provides a cost effective, tailored solution for even the most demanding installations and PowerSeries Neo's Control Panels constitute the heart of it.

PowerSeries Neo's control panels cater to the requirements of today's installations, but coupled with one or more of a complete line of expansion modules, the panels offer potential for added expansion capabilities, features and services, protecting the investment in the system and ensuring growth in the future.

In conjunction with a host of keypads, communicators, peripherals and devices, the PowerSeries Neo control panels leverage the technological capabilities which PowerG offers through 2-way wireless communication, to decrease operational costs for dealers while providing ultimate reliability for end users.

Control Panels 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

PowerSeries Neo Keypads:

Broad range designed for user-friendliness.

PowerSeries Neo wireless keypads are a primary interface to this revolutionary hybrid system. In keeping with PowerSeries Neo's wide spectrum installation solutions, the PowerSeries Neo keypads are available in a number of options as a solution for any type of installations. The choice of options is extensive, from touchscreens and hardwired keypads available in various display options, through to PowerG-enabled wireless keypads and models with built-in transceivers. The common denominators are ease of installation, simplistic programming and user-friendly interfaces.

PowerG – Enabled Devices:

A constellation of PowerG-enabled wireless devices make installation easy.

A wide range of devices leverage the most innovative technologies to capitalize on the convenience, versatility and superior capabilities which the 2-way wireless PowerG technology offers. PowerSeries Neo devices require minimal installation time due to less wiring requirements, allowing for installation of devices in even the most challenging areas. The broad selection of devices includes PowerG-enabled motion detectors, contacts, wireless keys and various life- safety devices such as smoke and carbon monoxide detectors.

Designed with a scalable approach to cater to future needs, the vast selection of available devices and peripherals available for PowerSeries Neo is seamlessly integrated with an exceptionally comprehensive remote service software suite to support innovative leading-edge features such as alarm verification and remote diagnostics.

PowerSeries Neo Communicators:

PowerSeries Neo gives you options for ultimate reliability of communications.

Flexible communications are a prerequisite for a system as powerful and as feature-rich as PowerSeries Neo. 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 to cover a wide range of installation needs. When connected to any PowerSeries Neo control panel, alarm reporting paths can be combined through the Public Switched Telephone Network (PSTN), cellular and/or IP channels. For installations where no phone line is present, the cellular and/or IP communicators provide high speed, reliable and secure alarm communication paths while maintaining the security professional's ability to offer additional RMR services such as alarm verification.

PowerSeries neo

PowerSeries Neo Software Support:
All brains and brawn.

The foundation of a ground-breaking technology platform like PowerSeries Neo lies in its innovative software solutions. Boasting an extremely robust and comprehensive suite of support software, PowerSeries Neo is designed specifically to help security professionals significantly cut time and cost invested in even the most complex of installations.

Based on DLS5 Downloading Software, which runs on Microsoft's powerful .NET Framework 4.0 and utilizes SQLite, DSC has created a powerful combination of software featuring WebSA System Administrator Software, a comprehensive system administration software, and Remote Diagnostics, a robust set of issue resolution tools which offers remote diagnostic, inspection and maintenance capabilities, to cater to a wide range of industry needs. The result is a powerful and easy-to-use suite of software focused on delivering unprecedented functionality through remarkably user-friendly interfaces.

Tailored to fit a wide range of operational structures, PowerSeries Neo's software suites cater to a set-up as simple as a single onsite employee managing a single security panel through to entire teams remotely maintaining and controlling multiple panels through a network of PCs, significantly cutting manpower and maintenance costs.

More power to the user with WebSA System Administrator Software

To perfectly complement this extremely flexible hybrid intrusion system, DSC has released WebSA System Administrator Software, revolutionary software which gives administrative users unprecedented ability to manage, monitor and control user functionality of their security system through user-friendly and intuitive interfaces featuring 'Real-Time' Dashboards.

Remote is key with Remote Diagnostics Software

PowerSeries Neo's powerful Remote Diagnostics Software is a revolutionary remote issue resolution and inspection tool leveraging comprehensive diagnostic data to reduce operating costs by dramatically reducing the number of truck rolls required for diagnostics and maintenance of the security system.

Using a simple yet highly efficient workflow process which encompasses steps such as Connect, Diagnose, Fix and Test, Remote Diagnostics Software removes, wherever possible, the need for site visits.

Rich features such as firmware-upgrades, real-time status dashboards as well as real-time feedback ensure that all the data is not only rapidly processed accordingly to successfully manage maintenance and issue resolution, but also is packaged in an extremely user-friendly interface so that authorized users can easily run customized status reports as required.

The next generation in security.

Control Panels

HS2016
6 to 16 Zone Control Panel

HS2032
8 to 32 Zone Control Panel

HS2064
8 to 64 Zone Control Panel

HS2128
8 to 128 Zone Control Panel

PowerG Transceivers

HSM2HOST9
PowerG Host Transceiver Module

PowerG Wireless Repeater

PG9920
Wireless PowerG Repeater

Power Supplies and High & Low Current Output Expansion

HSM2300
Power Supply Module

HSM2204
High Current Output Module

HSM2208
Output Module

Hardwired Expansion

HSM2108
8-Hardwired Zone Expander Module

Hardwired Keypads

HS2LCD
Full Message LCD Keypad

HS2LCDP
Full Message LCD Keypad with Prox Support

HS2ICN
ICON Hardwired Keypad

HS2ICNP
ICON Hardwired Keypad with Prox Support

HS2LED
16-Zone LED Hardwired Keypad

Prox Tag

MPT
Mini Prox Tag

Hardwired Keypads with Built-in PowerG Wireless Transceiver

HS2LCDRF9
Full Message LCD Keypad with Built-in PowerG Transceiver

HS2LCDRFP9
Full Message LCD Keypad with Built-in PowerG Transceiver & Prox Support

HS2ICNRF9
ICON Hardwired Keypad with Built-in PowerG Transceiver

HS2ICNRFP9
ICON Hardwired Keypad with Built-in PowerG Transceiver & Prox Support

PowerG Wireless Keypads

HS2LCDWF9
Wireless Full Message LCD PowerG 2-Way Wire-Free Keypad

HS2LCDWFP9
Wireless Full Message LCD PowerG 2-Way Wire-Free Keypad with Prox Support

HS2LCDWFPV9
Wireless Full Message LCD PowerG 2-Way Wire-Free Keypad with Prox Support & Voice Prompting

PowerG Devices

PG9938
Wireless PowerG Panic Key

PG9949
Wireless PowerG 2-Button Key

PG9939
Wireless PowerG 4-Button Key

PG9929
Wireless PowerG 4-Button Key

PG9975
Wireless PowerG Door/Window Contact

PG9945
Wireless PowerG Door/Window Contact with Auxiliary Input

PG9904P
Wireless PowerG PIR Motion Detector

PG9934P
Wireless PowerG PIR Motion Detector with Integrated Camera

PG9924
Wireless PowerG Curtain PIR Motion Detector

PG9984P
Wireless PowerG Dual Technology (PIR & MW) Motion Detector

PG9974P
Wireless PowerG Mirror Optic PIR Motion Detector

PG9994
Wireless PowerG Outdoor PIR Motion Detector

PG9912
Wireless PowerG Glass Break Detector

PG9935
Wireless PowerG Shock Detector

PG9926
Wireless PowerG Smoke Detector

PG9916
Wireless PowerG Smoke and Heat Detector

PG9913
Wireless PowerG CO Detector

PG9905
Wireless PowerG Temperature Detector

PG9901
Wireless PowerG Indoor Siren

PG9911
Wireless PowerG Outdoor Siren

PG9985
Wireless PowerG Flood Detector

PowerSeries Neo Transmitters

3G2080
HSPA Cellular Alarm Communicator

TL2803G
Internet and HSPA Dual-path Alarm Communicator

TL280
Internet Alarm Communicator

PCL-422
Communicator Remote Mounting Module

Software Support

WebSA System Administrator Software

Remote Diagnostics Software

SUR-GARD Monitoring Station Receiver COMING SOON

SUR-GARD
From Tyco Security Products

SG-System 5 IP Receiver

PowerSeries neo

PowerSeries
neo
The fusion of stellar state-of-the-art technologies result in a uniquely flexible and modular platform, ideal for scalable commercial demands.

PowerSeries neo

For more information on products please call: +1-905-760-3000
Email: info@dsc.com or contact your DSC Account Representative

PN 30001573 R001

www.dsc.com

© 2014 Tyco Security Products

DSC
From Tyco Security Products