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PowerSeries Control Panels v4.5

Features That Make a Difference:

- CO detector support: wireless (WS4913) or hardwired (generic)

- Updated PowerSeries Keypads (PK and RFK models) support CO detectors

- Updated PowerSeries Wireless Receiver (RF5132) supports wireless CO detectors

- Alternate communicator call routing via GPRS and IP

- Automatic Contact ID over GPRS

- Automatic Sync for alternate communicators

Standard PowerSeries Features:

- Template programming

- Local and remote downloading

- Programmable Daylight Savings Time

- Automatic CID

- 2-way audio

- 1 time use code

- Keypad lockout

- Programmable false alarm reduction features including audible exit delay and fault, quick exit, automatic arm/disarm, programmable bell delay timer, etc

PowerSeries v4.5 Control Panels: Feature-Rich with Proven Performance

PowerSeries Control Panels have a proven reputation for providing the value and dependability that security professionals demand. The modular design of the PowerSeries v4.5 Control Panels provides even more value-added features including support for CO detectors, an automatic synching feature to reduce install time and the flexibility of different alarm reporting paths.

Front-Line Protection Against The Silent Threat Of Carbon Monoxide Poisoning

Colorless, tasteless, odorless but deadly, carbon monoxide (CO) is impossible to detect without a warning device. With the PowerSeries v4.5 Control Panel, either wireless or hardwired CO detectors can be easily integrated into the security system. Installers have the option of using the DSC wireless CO detector (WS4913) - the perfect solution for difficult-to-wire locations, with its compact design, battery power and wireless capability - or the hardwired CO detector.

Flexible, Alternate Alarm Communication Methods

Traditional phone lines are becoming increasingly less common in many homes and businesses as more people opt for VoIP (Voice over IP) or cellular phones. The PowerSeries v4.5 Control Panel gives customers the option to combine alarm reporting paths through Public Switched Telephone Network (PSTN), Internet or GPRS/GSM channels. Having Internet with GSM/GPRS as back-up provides complete security with the additional benefit of increased recurring monthly revenue (RMR) for dealers.

Reduce Installation Time with Easy to Program PC-Link

The new Automatic Sync feature enables T-Link or GS Communicators to communicate automatically using the format and account number predefined in the panel programming, reducing the risk of programming errors and on-site install time. Combined with template programming and end-of-line configuration, quicker more accurate installations means more installations per day with more revenue.

panels, keypads & modules

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Make PowerSeries v4.5 Control Panel your preferred choice. Available in three different configurations (PC1616/PC1832/PC1864), the PowerSeries v4.5 Control Panel has the scalability, versatility and flexibility to work in small residential to medium-sized commercial installations.

Compatibility:

- User Interfaces include LED, Picture Icon LCD or Full Message LCD

- Wireless Receivers, Devices and Detectors, including CO Detectors

- Audio Alarm Verification

- Telephone Interface/Automation Control

- High & Low Current Output Expansion

- Alternate Communication Options

- Hardwired Expansion and Detectors

- Addressable Expansion and Detectors

- Windows™ Software for PC Downloading

- Access Control Integration

Specifications

Power Supply .... 16.5 VAC/40 VA @ 50/60 Hz
Current Draw (Panel) .... 110 mA (Nominal)
Auxiliary & Output .... 13.75 ± 5% VDC /700 mA
Bell Output .... 13.75 ± 5% VDC /700 mA
Operating Environment .... 32º to 120º F (0º to 49º C)
Relative Humidity .... 93% (Max.)
Battery Requirement .... 4 Ah/ 7Ah / 14 AHr

Individual Specification by PowerSeries v4.5 Type

Features	PC1616	PC1832	PC1864
On-Board Zones	6	8	8
Hardwired Zones	16 (1 x PC5108)	32 (3 x PC5108)	64 (7 x PC5108)
Wireless Zones	32	32	32
Keypad Zone Support	Yes	Yes	Yes
Keypads	8	8	8
On-board PGM Outputs	PGM 1 = 50 mA PGM 2 = 300 mA	PGM 1 = 50 mA PGM 2 = 300 mA	PGM 1,3,4 = 50 mA PGM 2 = 300 mA
PGM Expansion	8 x 50 mA (PC5208) 4 x 500 mA (PC5204)	8 x 50 mA (PC5208) 4 x 500 mA (PC5204)	8 x 50 mA (PC5208) 4 x 500 mA (PC5204)
Partitions	2	4	8
User Codes	47+ Master Codes	71+ Master Codes	94+ Master Codes
Event Buffer	500 Events	500 Events	500 Events

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DSC PowerSeries Keypads

Features that make a difference:

64-Zone Icon LCD Keypad
LCD5511

- Intuitive symbols and backlit display and keys
- Programmable Input/Output terminal
- 4 programmable function keys
- 8 partition support
- Clock display
- Multiple chime support
- Dual FAP keys
- Dual wall-mount and front cover tamper
- AC status ICON
- Wire channel

8-Zone Led Keypad
LED5511Z

- 4 programmable function keys
- 2 partition support
- Dual FAP keys
- Dual wall-mount and front cover tamper
- Wire channel
- Zone input
- Backlit keys

Powerful Security

The value series LCD5511 and LED5511Z slim-line portrait keypads are perfect for economical installations or as additional keypads. Both keypads present the system status of DSC PowerSeries security systems through the display of fixed symbols and numbers. Quick to install, the keypads are equipped with a wire channel for flushmount applications, four programmable function keys, dual FAP (Fire, Auxiliary and Panic) keys and large, backlit buttons for trouble-free viewing and activation.

Achieving a balance between reliable security and refined functionality, PowerSeries products provide convenience, comfort and control.

panels, keypads & modules

ICON Display

The keypads feature easy-to-read ICONS that provide real-time status of all panel activity. End-users, regardless of their preferred language, are able to identify universally accepted ICONS such as fire, emergency and panic. The keypads are shipped with trilingual (English/Spanish/French) manuals and inner door labels.

Emergency Keys

For urgent situations, keypad-activated emergency keys send an alarm signal to the monitoring station, which in turn, allows the proper authorities to be summoned (police, fire or emergency services). To activate the emergency keys, press and hold the appropriate buttons simultaneously for two seconds to send the following messages:

- Fire (keys #1 and 3)

- Auxiliary (keys #4 and 6)

- Panic (keys #7 and 9)

The FAP keys are labeled on the keymat at the bottom right corner of the corresponding key. The key symbols are printed in red (fire), green (auxiliary) and blue (panic). The remaining symbols and numbers are printed in black.

Function Buttons

The keypads offer end-users simple one-button activation of four programmable function keys. By default, these function buttons can be used to access Stay Arm, Away Arm, Door Chime and Auxiliary features.

Door Chime Options

The LCD5511 has the ability to annunciate one of four distinctive door chime tones, programmable by zone:

- Traditional door chime (four quick beeps)

- "Bing-Bing" tone

- "Ding-Dong" tone

- Alarm tone (four second duration)

The door chime feature can also be programmed to differentiate between zone openings and zone closings.

Low Temperature Warning

The keypad zone of the LCD5511 can be programmed to be a low temperature warning instead of a physical zone input. If programmed as such, the zone will go into alarm at 43° F/6° C and restore at 48° F/9° C. By doing this alarm dealers are able to provide low-temperature detection without additional equipment or wiring.

Clock Options

The programmable clock of the LCD5511 displays the current time following four seconds of no key presses. How the keypad displays the time can be changed to reflect a 12-hour (8:00) or 24-hour clock (20:00).

Compatibility

The LCD5511 and LED5511Z are compatible with all PowerSeries control panels.

Specifications

Dimensions	3" x 4 3/4" x 15/16" (76 mm x 121 mm x 24 mm)
LCD5511 Display Size	2 1/2" x 1" (63.5 mm x 24 mm)
LCD5511 Viewable Area	2 7/16" x 3/4" (60.5 mm x 18.5 mm)
LCD5511 Current Draw	22 mA (Standby) 85 mA (Max)
LED5511Z Current Draw	30 mA (Standby) 100 mA (Max)
Voltage	12 VDC Nominal
Operating Environment	32° to 120° F (0° to 49° C)
Relative Humidity	5 to 93%

Ordering Information:

LCD5511	64-Zone ICON LCD Keypad
LED5511Z	8-Zone LED Keypad

DSC

From Tyco Security Products

Digital PIR Detector with Pet Immunity
LC-100-PI

Features That Make a Difference:

- Form 'A' alarm contact and tamper switch

- Digital signal analysis

- Slim profile design

- Features ABS plastic for shock and impact protection

- Exceptional white light immunity

- Pet immunity up to 55 lbs (25 kg)

- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets

- Advanced ASIC-based electronics Compact design for residential installations

- Adjustable variable pulse count

- PIR sensitivity adjustment

- Height installation calibration free

- Available in packages of 6 (LC-100-PI-6PK)

Whether it's a residential or commercial installation, the LC series of detection devices readies a security system for the unexpected by providing protection for every room, corner and corridor.

The LC-100-PI effectively blends performance with competitive pricing. The detector features intelligent signal analysis for reliable detection, pet immunity up to 55 lbs (25 kg) and a slim design that complements any décor.

sensors and accessories

Reliable Protection

Advanced ASIC-based processing provides both superior detection and false alarm rejection to help keep people and possessions secure. Quad Linear Imaging Technology provides sharp analysis of body dimensions and differentiation from backgrounds and pets.

Digital Signal Processing

Effective motion detection is dependent on a sensor's ability to identify intruders and provide true false alarm resistance. The LC series of detection devices pinpoints intruders through digital signal processing. Digital information is more accurately analyzed using software and is not subject to signal degradation caused by amplification, noise, distortion or signal clipping.

Pet Immunity

Highly accurate sensors are able to provide quality detection while at the same time ignoring pets weighing up to 55 lbs (25 kg).

Fast and Easy Installation

Once the detector is installed at the recommended height, installers simply conduct a brief walk-test, make any necessary adjustments, and the unit is ready to perform. Highly visible LEDs can be viewed at a glance and help the installer identify the detection range from any distance or angle within the coverage pattern.

Locating the Detector

When choosing a location for the detector, be sure to consider the following:

- Do not aim the detector at reflective surfaces
- Avoid locations that are subject to direct high air flow
- Do not locate the detector in the path of direct or reflected sunlight
- Do not place next to large obstructions that may limit the coverage area

Coverage Pattern

LENS PATTERN

7.9ft (2.4m)

49ft (15m)
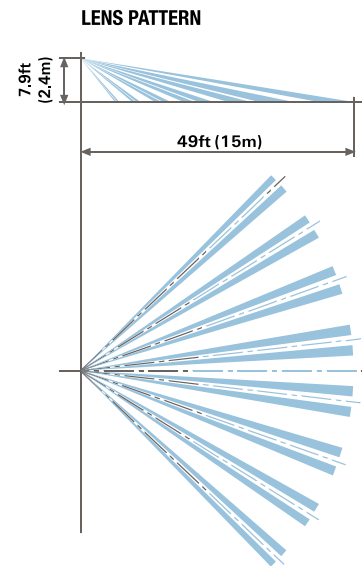
Detection Range Adjustment

The detection range of the motion detector is adjustable to from 16' to 49' (5 m to 15 m). A potentiometer can be adjusted clockwise or counter-clockwise to increase or decrease the range respectively. For optimum performance, range should be adjusted so that it effectively protects the dimensions of the intended area.

Specifications

Dimensions......................................3.62" x 2.46" x 1.57"
(92 mm x 62.5 mm x 40 mm)

Weight.. 58 gr (2.04 oz)

Detection Method....................... Quad (Four Element) PIR

Power Input .... 9.6 to 16 VDC

Current Draw (Standby) .... 8 mA (± 5%)

Current Draw (Active) .... 12 mA (± 5%)

Tamper Switch: Contact Rating .... 0.1 Amp @ 28 VDC

RFI Protection ......10 V/m plus 80% AM from 80-2000 MHz

Specifications DSCPC5002C

The DSCPC5002C is the DSC Small Metal Cabinet/Enclosure.

Dimension: 228 x 203 x 76mm

Suitable for:

- Power Supply Module:
    - PowerSeries: DSCPC5200, DSCPC5204
    - PowerSeries NEO: DSCHSM2204, DSCHSM2300

Specifications DSCT-1

The DSCT-1 is the DSC tamper switch for DSC Metal Cabinet/Enclosure DSCPC5002C, DSCPC5003C, DSCPC4001CW.

Specifications DSCTB-1

The DSCTB-1 is the DSC tamper bracket for DSC Metal Cabinet/Enclosure   DSCPC5002C, DSCPC5003C.

DSCTB-1 tamper bracket suitable to use with DSC Tamper Switch DSCT-1.
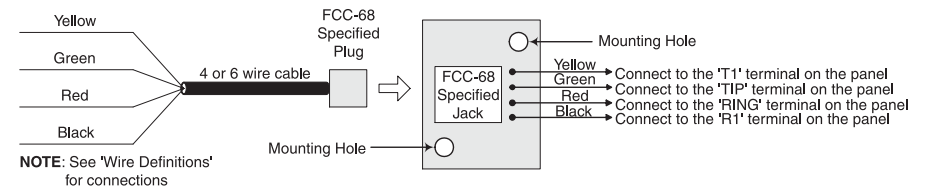
Product Description

This module is used to interface the telecom network to the panel telecom circuit via an FCC-68-specified plug.

Installation

Secure the module to the inner side or bottom of the enclosure with the double-sided adhesive tape provided. Alternately, holes can be drilled in the enclosure and 1/4" plastic standoffs can be used to secure the module.

For wiring connections, see the wiring diagram below.

Wiring Diagram (Component Side)

Yellow
Green
Red
Black
4 or 6 wire cable
FCC-68 Specified Plug
FCC-68 Specified Jack
Mounting Hole
Mounting Hole
Yellow — Connect to the 'T1' terminal on the panel
Green — Connect to the 'TIP' terminal on the panel
Red — Connect to the 'RING' terminal on the panel
Black — Connect to the 'R1' terminal on the panel

NOTE: See 'Wire Definitions' for connections
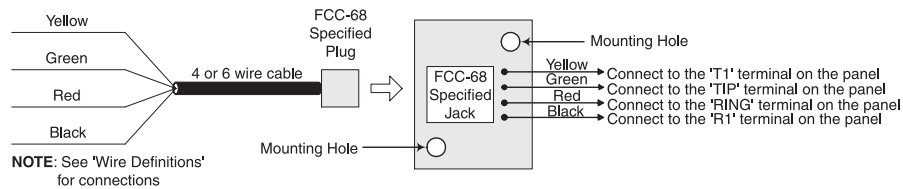
Wiring Definitions

Green = Incoming 'TIP'
Red = Incoming 'RING'
From the telecom network

Yellow = Outgoing 'TIP'
Black = Outgoing 'RING'
To the remaining telecom equipment at the site

WARNING: Please refer to the System *Installation Manual* for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.