

# Dsc 864 Installation Manual

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**WARNING**

*This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.*

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## User's Guide

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## Book Descriptions:

# Dsc 864 Installation Manual

As you type, results will change. Since the company's genesis, the experts at DSC have been leading the way. From our revolutionary control panels, to our industry-leading IP alarm monitoring products and now to our sleek, contemporary self-contained wireless panels, DSC has always been front and center in the security space. ISO 9001 Registered. Page 2 Function Indicators LCD5501Z and PC55XXZ Keypads Quick Reference Guide. The following chart lists the basic functions of your system alphabetically, and the keys to press. Page 3 Table of Contents PC5532Z LED Keypad Page 6 Getting Ready to Arm Your System. Displays LCD Keypads. Arrow Keys LCD5500Z Keypad Only. Fixed Message Display LCD5501Z Keypad If " " appears, more. Page 7 Away Arming About This Guide. This Power864 User's Guide is for anybody using a Power864 Security System. Read this guide thoroughly. Page 8 Stay Arming Section 1 Introduction Fire. Page 10 Automatic Arming Section 2 Arming and Disarming Your System Sounds After In an attempt to reduce false alarms, the Audible Exit Fault is designed to. Page 13 Viewing Alarms in Memory Arming and Disarming Your System. Page 14 Calling for Help Automatic Your installer may have set up your system to arm at a preprogrammed time. If automatic. Arming arming has. Page 15 Bypassing Zones Arming and Disarming Your System. Page 16 Bypass Groups Section 3 Dealing With Alarms and Emergencies Page 17 Identifying Trouble Conditions Intrusion A steady bell or siren indicates an intrusion alarm. Using these keys you can send an immediate. Help at. Page 19 Turning the Door Chime On or Off Section 4 Using Advanced Functions Zones. Page 21 Changing Keypad Sounder Loudness Using Advanced Functions Identify. Page 22 Fire Escape Planning Zone Light Type Of Trouble Page 24 Section 5 Customizing Your System Refer to this. Page 25 System Information Setting the You should make sure that your system has the correct time and date. This is important for. <http://www.braincity.us/webcms/cub-cadet-18m-manual.xml>

- **dsc 864 installation manual, dsc 864 programming manual, dsc 864 user manual, dsc power 864 programming manual, dsc power 864 user manual, dsc pc 864 programming manual, dsc 864 installation manual.**

Time. Page 26 Zone Information Section 6 Fire Safety Household Most fires occur in. Page 27 Section 7 Glossary. Access code A 4 or 6 digit code that allows access to arming, disarming and other system. Page 28 Exit delay A timer programmed by your installer. It starts when you arm your system, to allow you a Fill out the following information for future reference and store this guide in a safe. Page 30 Zone Information Page 31 Index. A Display P See Arming. Access codes brightness 21 Panic keys 14 Digital Security Controls Ltd. Page 33 WARNING Please Read Carefully. Note to Installers other side of closed doors. Smoke detectors. Page 34 NOTES NOTICE The Industry Canada label identifies certified equipment. This certified User should ensure for their own protection. The control panel will be mounted out of the WARNING This manual contains information on limitations v2.0. Your DSC Power832 Security System has been designed to provide you Your security system is made up of a DSC Power832 control panel, one or more Power832 keypads. View and Download DSC Power 832 installation manual online. 1.2.1 Keypads A maximum of eight 8 keypads can be connected to the control panel and SGD V1660LC. DV1660LC User Manual English SurGard 1664 Zone DVAC Control Panel. In order for the Power 832 system to operate properly, the power output capabilities of the main control. The Best Features of the DSC Power 832 Security System. DSC 832 is used in You can find links to free DSC manuals on my alarm system manual sources page. If you're planning a DSC Power 832 LED Keypad, 32 Zone. The DSC 832 Your DSC security equipment has been designed to give you the greatest possible Read this manual carefully and have your installer



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Any alarm system of any type may be compromised deliberately or may fail to operate as expected for a variety of reasons. Every installation should be evaluated by a security professional to ensure that all access points and areas are covered. Locks and latches on windows and doors must be secure and operate as intended. Windows, doors, walls, ceilings and other building materials must be of sufficient strength and construction to provide the level of protection expected. A reevaluation must be done during and after any construction activity. If a device operates from batteries, it is possible for the batteries to fail. Even if the batteries have not failed, they must be charged, in good condition and installed correctly. If a device operates only by AC power, any interruption, however brief, will render that device inoperative while it does not have power. Power interruptions of any length are often accompanied by voltage fluctuations which may damage electronic equipment such as a security system. The expected battery life is a function of the device environment, usage and type. Ambient conditions such as high humidity, high or low temperatures, or large temperature fluctuations may reduce the expected battery life. While each transmitting device has a low battery monitor which identifies when the batteries need to be replaced, this monitor may fail to operate as expected. The smoke detectors may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walls or roofs, or on the other side of closed doors. Smoke detectors may not detect smoke from fires on another level of the residence or building. Every fire is different in the amount of smoke produced and the rate of burning. Smoke detectors cannot sense all types of fires equally well.

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Smoke detectors may not provide timely warning of fires caused by carelessness or safety hazards such as smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches or arson. They cannot discriminate



between intruders and intended occupants. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and motion can only be detected in unobstructed areas covered by these beams. They cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows. Any type of tampering whether intentional or unintentional such as masking, painting, or spraying of any material on the lenses, mirrors, windows or any other part of the detection system will impair its proper operation. Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. If warning devices are located on a different level of the residence or premise, then it is less likely that the occupants will be alerted or awakened. Audible warning devices may be interfered with by other noise sources such as stereos, radios, televisions, air conditioners or other appliances, or passing traffic. The complete system should be tested weekly and immediately after a break-in, an attempted break-in, a fire, a storm, an earthquake, an accident, or any kind of construction activity inside or outside the premises. An alarm system also is not a substitute for property owners, renters, or other occupants to act prudently to prevent or minimize the harmful effects of an emergency situation. Limited Warranty Digital Security Controls Ltd.

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Anyone returning goods to Digital Security Controls Ltd. Digital Security Controls Ltd. Products which Digital Security Controls Ltd. A set fee which Digital Security Controls Ltd. Products which Digital Security Controls Ltd. The current market price of the replacement product will be charged for each replacement unit. See PC5200 Power Supply Output Module, Pg 2. PC5936 Support The PC5020 v3.1 and higher supports the PC5936 15station audio matrix module. See PC5936 Audio Interface Module, Pg 3. **SIA F AR** SIA F also Alarm Reduction has been incorporated in this version. See the Quick Reference Chart SIA F AR on the following page. **No Activity Arming by Partition** This feature enables the system or partition to arm if there is no zone activity for a programmed time period. **Programmable Autoarm PreAlert Timer** The AutoArm PreAlert Time is now programmable. The default value for this timer has been extended to 5 minutes. **Periodic Test Transmission Exception** With this feature enabled, the panel will not send a test transmission if there has been any transmission received by the receiver within the programmed time. **Cross Zoning** This feature requires two or more trips on a zone specified as "cross zones" within a specified time before starting an alarm sequence. **True Automatic Contact ID** When selecting Automatic Contact ID for reporting, the reporting code will represent how a zone is defined according to the SIA specification for Contact ID. If Automatic Contact ID is enabled, see Appendix A for reporting codes that will be used for each zone type. **Keypad Buzzer** When enabled and the system or Partition is in alarm, all assigned keypad buzzers will follow the bell output. When disabled, the keypad buzzers will only sound for buzzer type alarms. This option is off at default.

**Zone Type 27 Delayed 24 Hour Waterflow Zone** **Zone Type 28 Instant 24 Hour Waterflow Zone** **Zone Type 29 Auto Verified Fire Zone** **Zone Type 30 Fire Supervisory Zone** **Zone Type 31 Delay Zone** **Waterflow Silence Inhibit Option** This option affects the Instant Waterflow Zone and the Delay Waterflow Zone. This option does NOT allow the user to silence alarms, manually, automatically, or by a system reset until all waterflow zones are returned to their restored state. **Verbal Door Chime and Verbal Alarm Support** This feature enables the Door Chime to verbally announce the Zone that has been violated instead of a series of beeps. This feature is only available when using the ESCOR T5580 v3.0, and the PC5936 v1.0. Refer to the Escor t5580 v3.0 and PC5936 v1.0 Installation Manuals for further information. Please refer to the smoke detector installation instructions on how to correctly test the detectors. Refer to the User Manual part no. 29005909. ii It supports up to 64 zones, 8 separate partitions, and 32 users. The user interface is simple and easy to use. The LCD5500Z keypad guides users through their available options with easy to understand prompts. The PC5020 main board comes with 4 programmable outputs, and you can add up to 12 more using PC5204 and PC5208 modules. You can program the outputs to control things such as door strikes and lights, using 25 different output options. Review the complete PC5020 manual set before installing the PC5020 security system.

**1.2 About the PC5020 Manual Set**

**Installer Manuals** Read the entire manual carefully before beginning your installation. Be sure to record all your system programming in the Programming Worksheets. If you will be adding modules to your PC5020 system, read the Installation Instructions that come with each module.

**User's Guide** One User's Guide comes with the PC5020 system. The User's Guide provides easy to follow instructions for end users.



Installers should also review this manual, in order to properly instruct the enduser's once the installation is complete. You can connect any combination of the following listed. Up to 32 2wire addressable devices can be added to the system. NOTE PC5100 v1.0 and lower modules can only support the first 32 zones on the PC5020 system. PC5108 Eight Zone Expander Module Eight zone expander module can be used to increase the number of zones on the system. Up to 7 modules can be connected to increase the system zones to a maximum of 64 see the PC5108 Installation Instructions Sheet. NOTE PC5108 v1.0 and lower modules can only support the first 32 zones on the PC5020 system. PC5108 v1.0 and lower modules enroll as two modules and use up two supervisory slots. NOTE Do not mix PC5108 v1.x and lower modules with PC5108 v2.0 and higher modules on the same system. PC5132 Wireless Receiver Module The PC5132 wireless receiver module can be used to connect up to 32 fully supervised wireless devices see the PC5132 Installation Manual for details. NOTE Only the first 32 zones on the PC5020 system can be used as wireless zones. PC5200 Power Supply Output Module The PC5200 can provide up to 1 Amp of additional power for modules or devices connected to the control panel. Up to 4 modules can be connected to the system. Each module requires a 16.5 volt AC 40 V A transformer and 4Ah battery see PC5200 Installation Instructions for details. PC5204 Power Supply Output Module The PC5204 can provide up to 1 Amp of additional power for modules or devices connected to the control panel. The module requires a 16.5 volt AC 40 V A transformer and 4 Ah battery. In addition, the module provides 4 programmable high current voltage outputs. See PC5204 Installation Instructions for details. PC5208 Eight Low Current Output Module Adds 8 programmable low current outputs 50 mA to the control see the PC5208 Installation Instructions for details.

NOTE If you use the main panel and the PC5208 outputs, PGM 3 will work the same as the first PC5208 output, and PGM 4 will work the same as the second PC5208 output. Escort5580TC Module This Escort5580TC module will turn any tone telephone into a fully functional keypad. The module also includes a builtin interface to control up to 32 line carrier type devices for lighting and temperature control see the Escort5580TC Installation Manual for details. NOTE Users will not be able to access partitions 3 to 8, and zones 33 to 64 through Escort5580TC versions 2.x and lower. Only partitions 1 and 2, and zones 1 to 32 are supported on these versions. The module has builtin twoway voice capability for central station see the PC5936 Installation Manual for details. The Door Box contains a relay so the normal door bell can be used instead of the internal one generated by the PC5936 Audio Interface Modules. PC5400 Printer Module This PC5400 printer module will allow the panel to print out all events that occur on the system to any serial printer. All events will be printed with the partition, time, date and the event that occurred see PC5400 Installation Manual for details. NOTE The PC5400 v2.x and lower only supports events on partitions 1 and 2, and zones 132. LINKS1000 Cellular Communicator The LINKS1000 Cellular Communicator provides an efficient, costeffective method for adding cellular backup. The unit comes in its own cabinet with antenna and requires a separate battery and transformer see Links1000 Cellular Communicator in Section 5. T Link Local Area Network Communicator The T Link Local Area Network Communicator provides an efficient method of communicating via a Local Area Network LAN. See the T Link Installation Manual for more details. NOTE The T Link module has not been investigated by UL. Downlook Support PC5108L and DLM4 v1.

OL The PC 5108L will expand the control panel's zone capability by adding eight fully programmable zone inputs. The module will also act as an interface between the DLM4L v1.0 video transmission module and the PC5020 control panel. The PC5108L is also an 8camera video switcher. For more information on either module, see their respective Installation Manuals. NOTE The PC5108L module can only be assigned zones from 9 to 32. The PC5108L will not support zones 33 to 64. Camera scripts can only be run for zones 1 to 32. The PC5108L enrolls as two expander modules and use up two supervisory slots. NOTE Do not mix PC5108L v1.x and lower modules with PC5108 v2.0 and higher modules on the same system. PC5700 Fire Module This is a zone expansion



module with four general purpose zone inputs, two Class A supervisory waterflow zone inputs, ground fault detection and supervised telephone line inputs. PC5720 Fire Module This is a zone expansion fire module that can be used for ULC Listed nonresidential fire applications. The PC5720 can also be used as an interface between the control panel and either a serial printer or a DVACS communications network. NOTE The PC5700 v1.x and PC5720 v1.x enroll as two expander modules and use two supervisory slots. NOTE Do not mix PC5700 v1.x and PC5720 v1.x and lower modules with PC5108 v2.0 and higher modules on the same system. Cabinets Several different cabinets are available for the PC5020 modules. PC55BP 2 Backplate Use this backplate when mounting an audio station next to a keypad. In addition the backplate will allow you to mount a PC5108 zone expander module or the PC5208 8 low current output module. It is suggested that you read over this section briefly to get an overall understanding of the order of installation. Once this is done carefully work through each step. Working from this plan will help reduce problems and reduce the overall installation time required.

Step 1 Create a Layout Draw a rough sketch of the building and include all alarm detection devices, zone expanders, keypads and all other modules that are required. Step 2 Mounting the Panel Locate the panel in a dry area, preferably located near an unswitched AC power source and the incoming telephone line. Before attaching the cabinet to the wall be sure to press the five circuit board mounting studs in to the cabinet from the back. NOTE Complete all wiring before applying AC or connecting the battery. Step 3 Wiring the Keybus Section 2.4 Wire the Keybus to each of the modules following the guidelines provided. Step 4 Assigning Zones to Zone Expanders Section 2.6 If zone expander modules are being used the modules must be configured so the panel knows which zones are assigned to each expander. Follow the guideline provided to assign zones to expanders. Step 5 Zone Wiring Section 2.10 Power down the control panel and complete all zone wiring. Follow the guidelines provided in section 2.10 to connect zones using normally closed loops, single EOL resistor, double EOL resistors, Fire zones and Key switch Arming zones. Step 6 Completing Wiring Complete all other wiring including bells or sirens, telephone line connections, ground connections or any other wiring necessary. Step 7 Power up the Control Panel Once all zone wiring and Keybus wiring is complete, power up the control panel. NOTE The panel will not power up if only the battery is connected. Step 8 Keypad Assignment Section 2.7 Keypads must be assigned to different slots to be properly supervised. Follow the guideline provided in section 2.7 to assign keypads. Step 9 Confirming Module Supervision Section 2.8 By default, all modules are supervised upon installation. Supervision is enabled at all times so that the panel can indicate a Trouble if a module is removed from the system.

The Programming Worksheets should be filled out completely before attempting to program the system. Step 11 Testing the System Test the panel completely to ensure that all features and functions are operating as programmed. 2.2 Terminal Descriptions NOTE AC Terminals AC The panel requires a 16.5 volt, 40 VA transformer. Connect the transformer to an unswitched AC source and connect the transformer to these terminals. NOTE Do not connect the transformer until all other wiring is complete. Battery Connection The battery is used to provide backup power in the event of an AC power failure and to provide additional current when the panel demands exceed the power output of the transformer, such as when the panel is in alarm. NOTE Do not connect the battery until all other wiring is complete. Connect the RED battery lead to the positive of the battery, the BLACK battery lead to the negative. The AUX output is protected; if too much current is drawn from these terminals wiring short the panel will temporarily shut off the output, until the problem is corrected. The BELL output is protected; if too much current is drawn from these terminals wiring short the BELL PTC will open. The bell output is supervised. If no alarm warning device is being used connect a 1K. Keybus Terminals RED, BLK, YEL, GRN The Keybus is used by the panel to communicate with modules and by modules to communicate with the panel. Each module has four Keybus terminals that must be connected to the four Keybus terminals on the panel. For more



information, see section 'Keybus Operation and Wiring'. These PGMs can be used to activate LEDs or a small buzzer. PGM2 is a high current output 300mA and operates similarly to PGM1. If more than 300 mA of current is required, a relay must be used. Refer to the diagram. Zone Input Terminals Z1 to Z8 Each detection device must be connected to a zone on the control panel.

It is suggested that each zone have one detection device however it is possible to wire multiple detection devices to the same zone. For zone wiring specifics, see section 'Zone Wiring'. NOTE Ensure that all plugs and jacks meet the dimension, tolerance and metallic plating requirements of 47 C.F.R. Part 68, SubPart F. For proper operation there must be no other telephone equipment connected between the control panel and the telephone company facilities. NOTE Do not connect the alarm panel communicator to telephone lines intended for use with a FAX machine. All circuits are classified UL installation power limited except for the battery leads which are not power limited. A minimum " 6.4mm separation must be maintained at all points between power limited and nonpower limited wiring and connections. NOTE Wire entry for power limited wiring must be separated by a different entry access from nonpower limited wiring. 2.4 Keybus Operation and Wiring The Keybus is used by the panel to communicate with all modules connected and by the modules to talk to the panel. The RED and BLK terminals are used to provide power while YE L and GRN are clock and data. NOTE The 4 Keybus terminals of the panel must be connected to the 4 Keybus terminals or wires of all modules. Use the data presented below to ensure that no part of the system is overloaded and can not function properly. Each module must be set to assign the specific zones to the expander. To do this, set the jumpers located on the expander to the proper settings see chart below . NOTE PC5108 v1.0 and lower modules can only support the first 32 zones on the PC5020 system. PC5108 v1.0 and lower, PC5108L, PC5700, and PC5720 each enroll as two expander modules. NOTE Before a zone expander will work properly, you must set the jumpers so the panel can determine the correct zone assignment. NOTE It is not recommended to use PC5108 v1.x and v2.x simultaneously on the same PC5020.

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