

DSC PC1832

DSC TYCO Alarm System PC1832 with PK5501 Keypad User Manual

Model: PC1832 | Keypad: PK5501 | Version: 4.6

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your DSC TYCO Alarm System PC1832 with PK5501 Keypad. This system is designed to provide reliable security for your property. Please read this manual thoroughly before attempting any installation or operation to ensure proper functionality and safety.

2. SAFETY INFORMATION

- **Electrical Safety:** Ensure all power connections are made by qualified personnel. Disconnect power before servicing the system.
- **Battery Handling:** The system includes a 12V battery. Handle with care and dispose of old batteries according to local regulations. Do not short-circuit battery terminals.
- **System Placement:** Install components in locations that are dry and free from extreme temperatures or direct sunlight.
- **Professional Installation Recommended:** While this manual provides guidance, professional installation is highly recommended for optimal system performance and compliance with local codes.

3. COMPONENTS INCLUDED

Your DSC TYCO Alarm System kit includes the following components:

- DSC PC1832 Control Panel with Metal Box
- DSC PK5501 Keypad
- DSC LC-100-PI PIR Motion Detector
- DSC Siren
- DSC PTC1640U Transformer
- DSC 12V Battery
- Phone Jack



This image displays the complete kit for the DSC TYCO Alarm System PC1832. Visible components include the main control panel in a metal box, the PK5501 keypad with a digital display, a DSC LC-100-PI PIR motion detector, a 12V battery, a PTC1640U transformer, a DSC siren, and a phone jack.

4. SETUP

The DSC PC1832 alarm system requires careful installation. It supports 8 hardwired zones and is expandable up to 32 zones using PC5108 zone expanders or up to 32 wireless zones.

4.1 Control Panel Installation

1. **Mounting:** Securely mount the metal control panel box in a discreet, central location, away from moisture and

extreme temperatures.

2. **Wiring:** Connect all hardwired zones (e.g., door/window contacts, motion detectors) to the appropriate terminals on the PC1832 panel. Refer to the detailed wiring diagrams in the installer manual for specific connections.
3. **Power Connection:** Connect the PTC1640U transformer to the panel's AC terminals. Connect the 12V battery to the battery terminals, ensuring correct polarity. The battery provides backup power during outages.
4. **Siren Connection:** Connect the DSC siren to the designated siren output terminals.
5. **Phone Line Connection:** If using a landline for monitoring, connect the phone jack to the panel's communication terminals.

4.2 Keypad (PK5501) Installation

- Mount the PK5501 keypad in a convenient location near an entry/exit point.
- Connect the keypad to the control panel's Keybus terminals (Red, Black, Yellow, Green).

4.3 Sensor Installation (LC-100-PI PIR)

- Mount the LC-100-PI PIR motion detector in a corner or on a wall, ensuring it covers the desired area without obstructions. Avoid aiming it at heat sources or windows.
- Connect the PIR to a designated zone on the control panel.

4.4 Initial Programming

After physical installation, the system requires programming. This typically involves defining zones, setting user codes, and configuring communication options. The default installer code is often **5555**. To enter programming mode, press * then **8**, followed by the installer code.

5. OPERATING INSTRUCTIONS

5.1 Arming the System

- **Arm Away:** To arm the system when leaving the premises, ensure all zones are closed (no faults displayed on the keypad). Enter your 4-digit or 6-digit user code. The keypad will indicate 'Armed' and start the exit delay.
- **Arm Stay:** To arm the system while remaining inside (bypassing interior zones like motion detectors), press* then **9**, followed by your user code.

5.2 Disarming the System

- Upon entering the premises, the keypad will begin the entry delay. Enter your 4-digit or 6-digit user code to disarm the system before the delay expires.

5.3 Bypassing Zones

To temporarily bypass a specific zone (e.g., a window left open), press* then **1**, enter the 2-digit zone number, and then your user code. The keypad will confirm the bypass. Bypassed zones are automatically unbypassed when the system is disarmed.

5.4 Changing User Codes

To change a user code, press * then **5**, enter your Master Code, then the 2-digit user number (01-32), and finally the new 4-digit or 6-digit code.

6. MAINTENANCE

6.1 Battery Replacement

The 12V system battery should be replaced approximately every 3-5 years, or when a 'Low Battery' trouble condition is

indicated on the keypad. Disconnect AC power before replacing the battery. Ensure the replacement battery is of the same type and rating.

6.2 Sensor Cleaning

Periodically clean the lens of the LC-100-PI PIR motion detector with a soft, dry cloth to ensure optimal performance and prevent false alarms caused by dust or debris.

6.3 System Testing

It is recommended to test your alarm system monthly. To perform a system test, refer to your installer manual or contact your alarm monitoring company for specific instructions. This typically involves arming the system and triggering each zone to ensure proper reporting.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your DSC TYCO Alarm System.

- **Keypad Displays 'Trouble':** Press * then 2 to view the trouble condition. Common troubles include low battery, AC failure, or zone faults.
- **False Alarms:** Check for open windows/doors, pets triggering motion detectors, or environmental factors like drafts or direct sunlight on sensors. Ensure motion detectors are clean.
- **System Not Arming:** Verify all zones are closed. The keypad will display open zones. Close them or bypass them if necessary.
- **Lost Installer Code:** If the installer code is lost and you cannot access programming, a factory reset might be required, which should only be performed by a qualified technician.
- **No Dial Tone/Communication Failure:** Check phone line connections and ensure the phone jack is properly installed.

For complex issues or programming difficulties, consult the full DSC PC1832 Installer Manual or contact a professional alarm technician.

8. SPECIFICATIONS

Brand	DSC
Model Number	ESM-ALAKIT-96 (PC1832 System)
Connectivity Technology	Wired, Wireless (expandable)
Power Source	Battery Powered (with AC transformer)
Voltage	12 Volts
Battery Cell Composition	Lead Acid
Included Components	PC1832 Panel, PK5501 Keypad, LC-100-PI PIR, Siren, Transformer, 12V Battery, Phone Jack
Compatible Devices	Door/Window Contactor, Motion Detector Sensors, Glass Break Sensors, Carbon Monoxide Detectors, Smoke Detectors, Heat Detectors, Low/High Temperature Sensors

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or contact your authorized DSC dealer or the seller directly. Keep your proof of purchase for warranty claims.