

Getting Started Guide

- Keyless Entry System

Last revised: Dec. 22, 2009



Procare Software

3581 Excel Drive, Medford, OR 97504

Fax: (541) 858-7008

Web: ProcareSoftware.com

Sales: 1-800-338-3884 | Mon. – Fri. 8 AM – 4 PM Pacific | Email: sales@procaresoftware.com

Support: 1-800-964-1729 | Mon. – Fri. 6 AM – 4 PM Pacific | Email: tech@procaresoftware.com

This page intentionally left blank.



Dear Friend:

Thank you for choosing **ProCare Software** as your Management System. Your confidence in us is greatly appreciated.

The mission of **Professional Solutions** is to provide the best management software and quality services to our customers. Specifically, our commitment is centered around the following goals and objectives:

- To always remember that the relationship between ourselves and our customer is one of sincere trust and to do everything possible to achieve and maintain that trust.
- To deliver to each customer the absolute best management software product and quality service, now and into the future.
- To remember that it is our duty and obligation to serve our customers so that their goals and objectives are fulfilled.
- To always be aware that each customer must be treated with care, concern, dignity and sensitivity.
- To at all times conduct ourselves in the utmost professional manner, adhering to the highest ethical standards and putting the interests of our customers first.

Thank you for letting us have this opportunity to serve your needs.

A handwritten signature in black ink, appearing to read "Jeffrey R. Blum".

Jeffrey R. Blum, President
Professional Solutions

Software License Agreement

Professional Solutions grants you a non-exclusive, non-transferable license* to use this copy of the **ProCare** Management Software and accompanying documentation. This license is not a sale. Title and copyrights to the program and accompanying documentation and any copy made by you remain with Professional Solutions. Unauthorized copying of the program or the accompanying documentation, or failure to comply with the following restrictions, will result in automatic termination of this license and any software support through Professional Solutions, and will make available to Professional Solutions other legal remedies. This software license authorizes you to utilize the program according to the following terms:

Acceptable

1. Use of this program at one registered location.
2. Installation of this program at more than one computer only if the computers are located at the center that originally purchased the site license to use the program. The original site for the software will have the site name encoded into the program.
3. Making one copy of the program in machine readable format solely for backup purposes. All proprietary notices must accompany the copy.

Unacceptable

1. Use of this program at more than one center, without a site license for that site.
2. Duplication (except for backup), modification, translation, reverse engineering, decompiling, disassembling, or creating derivative works based on the program or documentation.
3. Renting, transferring, or granting any rights in the program or documentation in any form to any person without the prior written consent of Professional Solutions.
4. Removing any proprietary notices, labels or warnings on the program and accompanying documentation.
5. Selling or otherwise transferring your software license to a new owner or other business entity.*

* Professional Solutions reserves the right to transfer the Software License with an associated fee.

Software Warranty

Professional Solutions warrants that, for a period of ninety (90) days from the date of delivery to you, as evidenced by the date on your invoice, the media on which the program is furnished under normal use will be free from defects in materials and workmanship and the program under normal use will function without significant errors that make it unusable. If you notify Professional Solutions within the warranty period of any such defects, Professional Solutions will replace the defective media.

The sole remedy for breach of this warranty is limited to replacement of defective materials or refund of purchase price and does not include any other kinds of damages.

The entire risk as to the performance of the programs is with the purchaser. Professional Solutions does not warrant that the operation of the programs will be uninterrupted or error-free. Professional Solutions assumes no responsibility or liability of any kind of errors in the programs or documentation or for the consequences of any such errors. In no event will Professional Solutions be liable for any damages, including loss of data, lost profits, or other special, incidental, consequential or indirect damages from the use of the program or accompanying documentation, however caused and on any theory of liability. You acknowledge that the license fee reflects this allocation of risk.

Hardware Warranty

Professional Solutions, 3581 Excel Drive, Medford, OR 97504, warrants that this device is free from all defects in material and workmanship when used under normal conditions for a period of one (1) year from the date of original purchase.

Should the product fail to perform properly, we will repair or replace it at our option subject to verification of the defect or malfunction. Professional Solutions will bear the cost of shipping the unit via UPS ground.

Warranty is void if the owner repairs or modifies the product. Warranty excludes any other liability other than that expressly stated above including but not limited to any incidental or consequential damages. Warranty does not cover (i) products which have been damaged by negligence, misuse or accident or which have been modified or repaired by unauthorized persons (ii) cracked or broken cabinets of units damaged by excessive heat or continued exposure to the elements.

ATTENTION:

Warranty VOID if wiring is altered in any way.

ProCare Keyless Entry

READ FIRST – MUST INSTALL DRIVERS!

USB / Serial Adapter

Why does the Keyless Entry need an Adapter?

USB devices are limited to a cable length of 10-15 feet. The Keyless Entry uses a serial connection so your computer can be farther away from the Relay Box. Using a USB / Serial adapter allows you to connect to a USB port on your computer. If your computer has a serial port then it is not necessary to use an adapter.

Install Driver First, then Connect Adapter

You MUST install the driver BEFORE you connect the adapter to your computer.

For Windows 7: Download and install the latest driver from the USB Gear web site. Go to ProcureSupport.com and search for article # KB0250 which contains a link. Once the driver is installed continue with step 3 below.

For Windows Vista, XP, 2003 or 2000: Use the mini CD (included) and follow these steps.

1. Log on to your computer as a local Administrator and insert the USBGear mini CD.
If the CD does not start on its own then *Open “My Computer”* and *Dbl-click the CD drive* (should say “USBGear”) then *Dbl-click the file named Start* (or Start.html).
2. Under “Driver Installation” click *Windows Vista, 2003, XP, 2000 Driver*. If you have a choice between Save and Run choose Run. Installation takes just a few seconds. When it is complete you may need to tap Enter on your keyboard to close the window.
3. Plug the blue colored Adapter into a USB Port on your computer. The blue adapter should have come pre-attached to a grey colored RJ-11 Adapter (Figure 2).

Optional: If needed you may attach the silver colored USB extension cable to the blue adapter. Then plug the silver extension cable into your computer. (Figure 3).



Figure 1
USB Adapter Only

Figure 2
USB Adapter connected to
RJ-11 Adapter

Figure 3
Optional silver extension
cable connected to USB
adapter

KEYLESS ENTRY SYSTEM

Before you begin...

Connecting the Keyless Entry System (KES) is not complicated; however, unless you are experienced in doing so, electrical connections should be made by a qualified technician. This unit is not intended for after hours security. A dead bolt or similar device will be needed when the building is closed.

Each KES is shipped with the following components. Verify that your box contains:

- a.) Keypad with short attached cable, cable coupler, and long (8 wire) cable with RJ45 connectors.
- b.) Relay Box
- c.) Chime (Doorbell) Kit with doorbell, transformer and two (2) manual override buttons,
- d.) Wire with RJ11 connectors e.) RJ11 to Serial Adapter f.) Serial to USB Adapter & USBgear mini CD
- g.) Procure CD and Getting Started Guide

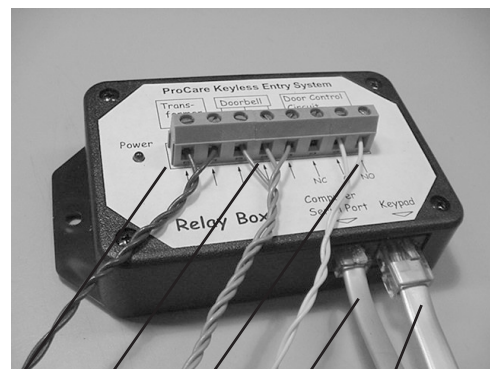
Please set up and test these components on a table top prior to mounting them in their final locations.

Mounting the components (order is not important).

- 1 Mount the keypad in the desired location. Be sure to allow a cable feed-through hole. The keypad should be in a location (indoors or out) that does not receive direct sun or rain. Attach the short cable on the keypad to the cable coupler then to the long RJ45 cable (supplied) or substitute your own straight through CAT-5 network cable.
- 2 Mount the relay box in a protected indoor location, such as the attic of the building. Again, keep in mind the RJ11 cable (provided) will need to reach from the relay box to the computer.
- 3 Mount the doorbell transformer in a protected indoor location. Make sure a standard 110V power outlet is within reach of the transformer.
- 4 Mount the doorbell in an audible, central, location.
- 5 Mount the door strike or magnetic lock unit per the manufacturer's instructions.
- 6 Mount the manual override button(s) in the desired location(s).

Making the electrical connections (If you have not already done so, TURN OFF ELECTRICITY).

- 7 Connect the long RJ45 cable coming from the keypad to the Relay Box terminal marked "Keypad."
- 8 Connect a 110V power supply to the doorbell transformer.
- 9 Using 20-2 gauge wire, connect the doorbell transformer to the relay box using the terminal marked "Transformer."
- 10 Using 20-3 gauge wire, connect the doorbell to the relay box using the terminal marked "Doorbell."
- 11 Using 20-2 gauge wire, connect the door strike and manual override buttons (if desired) to the relay box using the terminal marked "Door Control Circuit".
- 12 See previous page for details. Install driver from the USBGear mini CD. Then connect USB-Serial adapter to computer's USB port. (Serial-RJ11 adapter should already be attached).
- 13 Connect RJ11 cable to relay box terminal marked "Computer Serial Port." Attach other end of cable to RJ11 adapter at computer. See Getting Started Guide for installation of Procure CD and software use.



Product Specifications



Power required: 12-16 volts DC (or AC) @ 100ma supplied by attendant 16VAC doorbell transformer. Power is applied to terminal strip on relay box.

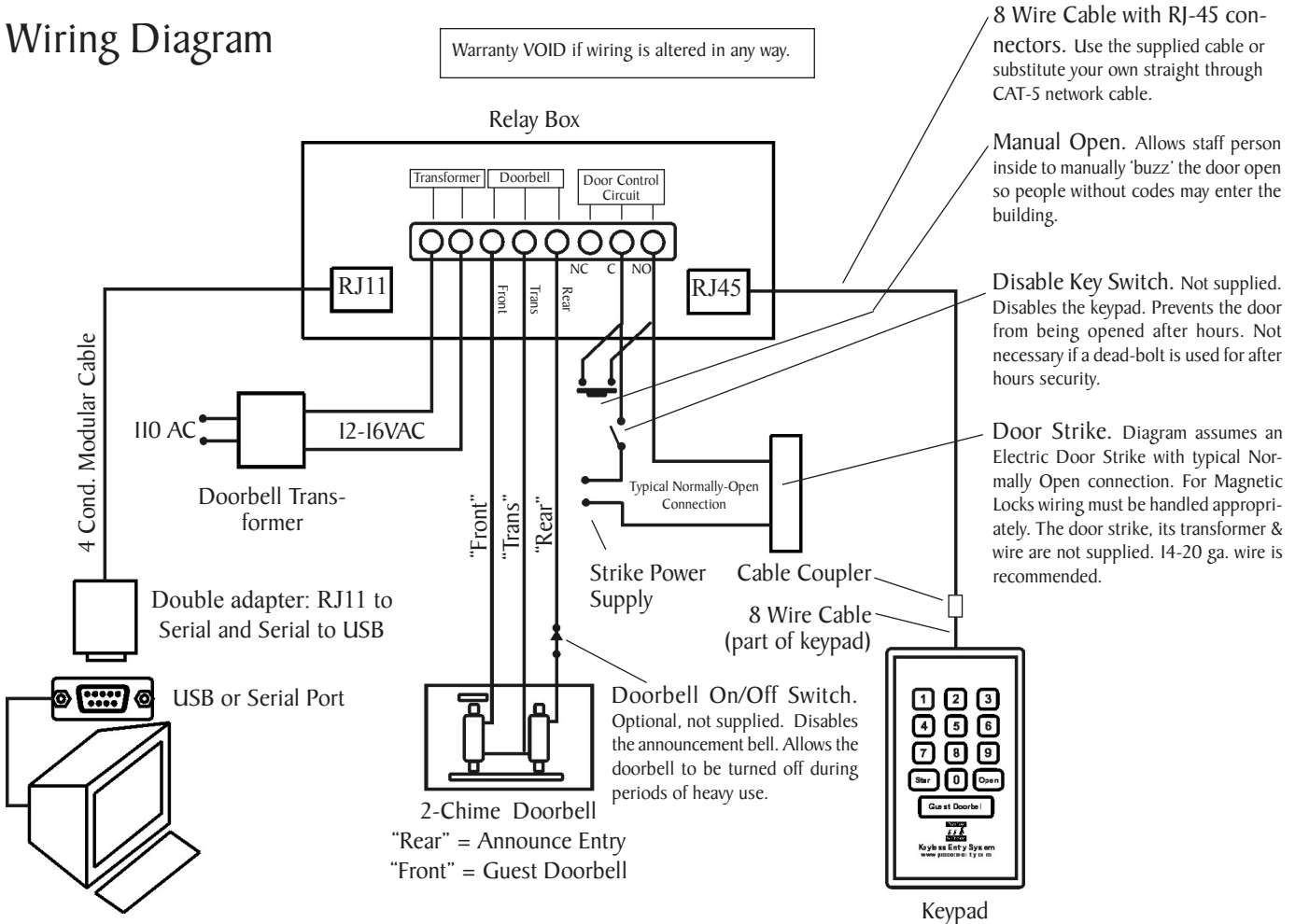
Door strike requires separate power supply (by user).

Keypad/Wall frame unit: Display – 2 LEDs, “Ready” (red) and “Accept” (green)
 Environment – Indoor and sheltered outdoor,
 Dimensions – length 7.4”, width 4.1”, height 2.43” (including wall frame)
 Keypad case material – black ABS
 Wall frame material – .075” black anodized aluminum
 Weight – 14.7 oz.

Relay Box: Provides interfaces to power transformer, computer, keypad, doorstrike and doorbell.
 Display – 1 LED “power” (red)
 Environment – Indoor use only.
 3 Relays rated at 10 amp. Actual current used: approx 0.1 amp.
 Dimensions – length 5.1” (incl mounting flanges), width 2.8”, height 1.6”
 Case material – black ABS
 Weight – 5.5 oz.

RS232 port: RJ11 jack. Standard modular phone type cable to PC serial port, fitted with RJ11 to DB9 serial converter and serial to USB adapter.
 Hardware handshake is continually jumper wired to “on” within the converter.
 Data rate is set to 9600bps

Wiring Diagram



Procare Keyless Entry System

The Keyless Entry software is designed to run on the Windows® family of operating systems including: Windows Vista, XP and 2000.

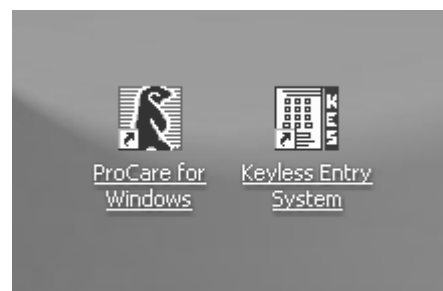


Installing the Software

1. Log on to your computer with local "Administrator" privileges.
2. Close all programs, then insert the **Procare CD**.
3. Browse to the **KeylessEntry** folder on the CD and run **KES.exe** then follow the on screen prompts.
 - **Windows Vista:** Click Start > Computer > Procare CD > open the KeylessEntry folder > right-click the file named KES (it may say KES.exe) and choose "Run as Administrator".
 - **Windows XP or 2000:** Click Start > My Computer > Procare CD > open the KeylessEntry folder > double-click the file named KES (it may say KES.exe).
4. At the end of the installation click **FINISH**. You may be asked to restart your computer. When the installation is complete a **Keyless Entry System** shortcut will appear on your desktop.

Using the Keyless Entry software

Double click the **Keyless Entry System** shortcut (on your desktop) to start the program. The program allows users to edit codes and transmit them to the keypad device as well as monitor codes entered at the keypad. The device does not store codes entered at the keypad therefore the program must be running in order to use the monitoring function. When minimized the KES icon will appear in the system tray (lower right corner of your computer near the time display). To display the KES program again double click the tray icon or right click and select **Show**.

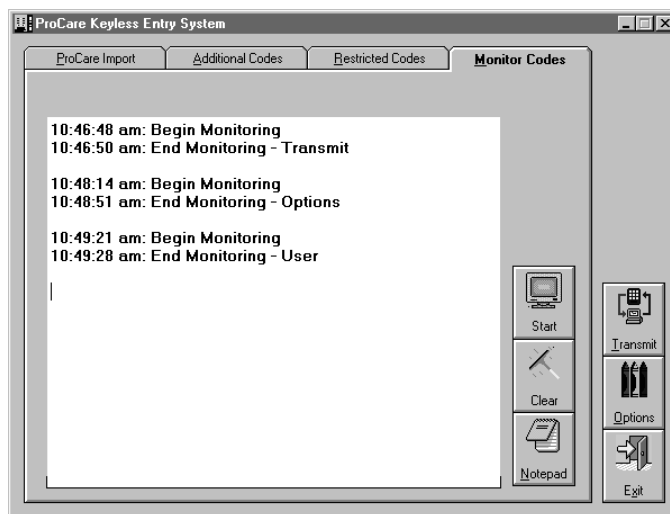


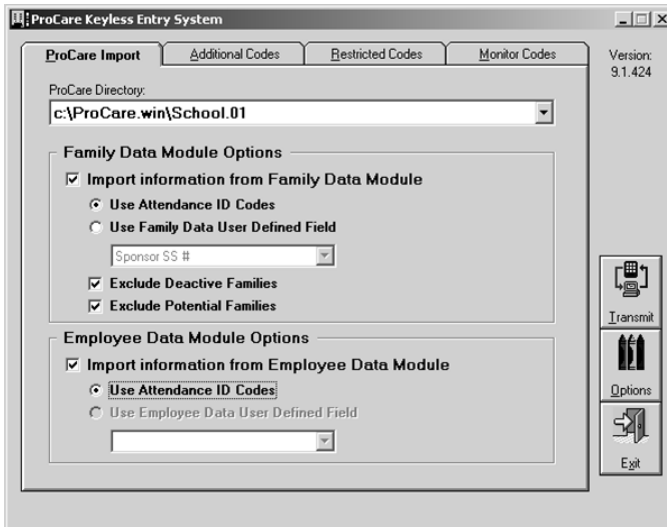
Monitor Codes

The first screen displayed is **Monitor Codes**. This screen records all activity at the keypad. If a correct code is entered it will display the time, the code entered and the user's name. If an incorrect code is entered it will display the time, the code entered and an invalid code message. Use the **Start** and **Stop** button to begin or end monitoring (the button toggles between Start and Stop when clicked). The **Clear** button will erase all of the entries displayed. The **Notepad** button will cut and paste the entries displayed to a Notepad file. If the **Transmit** or **Options** buttons are pressed, the monitoring will stop. Monitoring automatically resumes when you return from those screens. Entries are displayed each time the monitoring is stopped and started.

NOTE: The list displayed on the monitoring screen is not saved when you exit. In order to save the entries, click the **Notepad** button and save the file from within Notepad.

NOTE: Monitoring only occurs while the KES application is open and running. The KES device itself does not store or monitor any activity at the keypad.

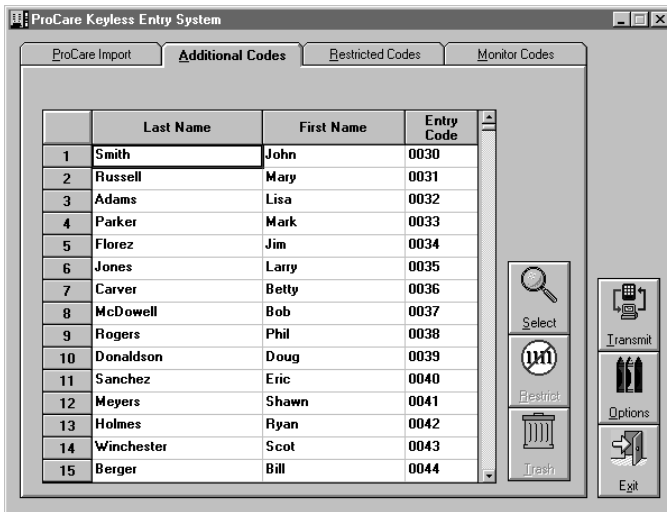




Procare Import for version 9.1

The Procare Import screen allows you to import user codes from the Family Data and Employee Data modules of Procare version 9.1 only. Start by selecting the correct Procare data directory for the modules. To determine which codes are imported select the corresponding checkbox for each module. You then have the option of using either the Attendance ID codes or selecting from a dropdown list of user defined fields from each module.

NOTE: Click the **Transmit** button to import and send codes to the keypad.

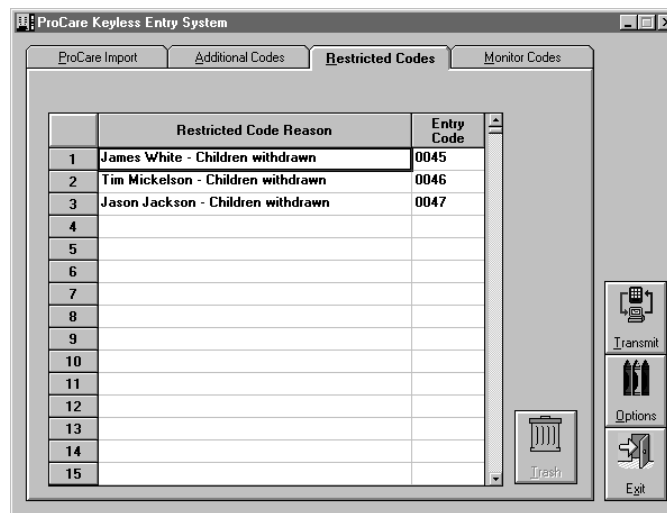


Additional Codes for Procare v10 or 9.1

For Procare v10 ALL CODES must be entered under the "Additional Codes" tab or you may choose to enter a single code used by everyone, then periodically (perhaps once each month) change the code.

The Additional Codes screen allows you to add, edit and delete codes in addition to any codes imported from Procare 9.1. The first and last name fields are displayed on the monitoring screen when the code is entered. The **Select** button randomly generates codes. Highlighting a row and clicking the **Restrict** button will remove the codes from use and not allow them to be transmitted to the keypad. When doing this, you must enter a reason why they are being restricted. See the Restricted Codes screen to view the removed codes. Highlighting a row and selecting the **Trash** button will delete the row. Any changes to these codes will not take effect until they are transmitted to the keypad.

NOTE: Any codes added here are for use with the keypad only. These codes do not transfer back to Procare. Any codes imported from Procare version 9.1 cannot be modified in the KES application.



Restricted Codes

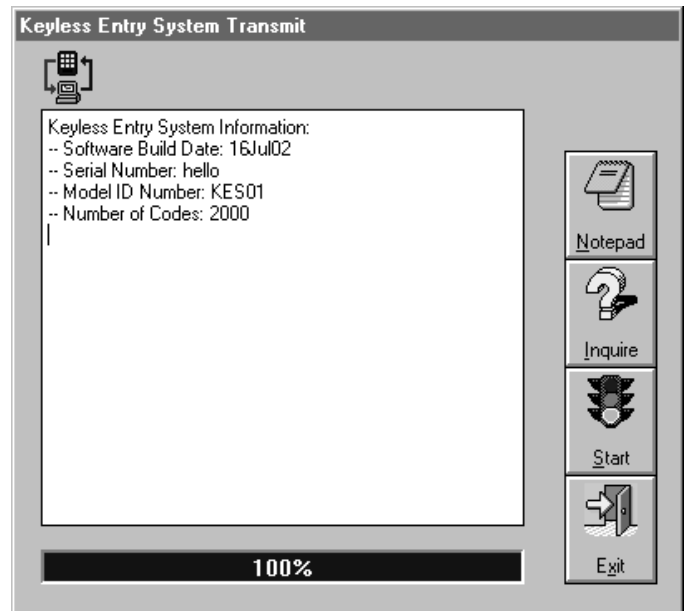
The Restricted Codes screen displays codes that cannot be used by the KES device. You may manually enter codes here or have them transferred over from the Additional codes screen. When a **Transmit** is executed, the list of codes is compared to the Restricted Codes list. Any matches are displayed and the transmission is stopped. Codes that are imported from Procare 9.1 are also checked against this list.

NOTE: Codes entered on the KES restricted list do not affect the codes in Procare itself.

Transmit

The Transmit screen is used to upload code list and settings to the KES device. All codes listed in the Additional Codes screen, as well as any imported from the Procure modules, are sent to the KES device. The **Inquire** button will retrieve information from the KES device such as the number of codes currently stored in the device. The **Start** button executes the transmission. If any of the codes being transmitted are on the Restricted List, they will be displayed and the transmission will be stopped. You must resolve the conflict by removing the code from the Restricted List, changing the code in the Additional Codes list, or changing it in Procure 9.1 as appropriate. Once the transmission is completed a list of codes is displayed on screen. You may use the **Notepad** button to create a text file with this information.

NOTE: Monitoring will stop once the **Transmit** screen is displayed. Monitoring will continue automatically upon exiting.



Options

The **Options** screen allows you to change certain settings in the KES device.

Select Serial Port allows you to change which COM Port the KES device is connected to. The drop down list will display a list of available COM Ports.

Code Entry Delay is the amount of time you have between entering each digit, before the KES device resets itself.

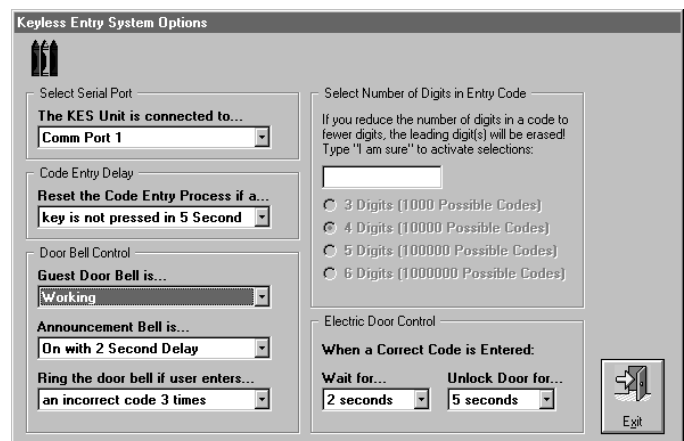
Door Bell Control allows you to turn the doorbell on or off, turn the announcement doorbell on or off, select a delay duration and set the number of wrong codes entered consecutively before the doorbell goes off.

Select Number of Digits in Entry Code allows you to set the length of the codes to be entered.

Electric Door Control allows you to set the delay between when a correct code is entered and when the door unlocks and the duration the door remains unlocked.

Any changes to the options will not take effect until they are transmitted to the KES device.

NOTE: Monitoring will stop once the **Options** screen is displayed. Monitoring will continue automatically upon exiting.



This page intentionally left blank.