ACCESS CONTROL SOLUTION

Eternity 4
Eternity 5

Manual
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Section 1 General Overview

1. Foreword

About This Manual
This manual is designed for users of Eternity 4 and Eternity 5. All installation, setup, operational information, procedures, screen captures, and other relevant materials are contained in this manual.

Safety Warnings and Cautions
When handling a printed circuit board (PCB), guard against possible static discharges by touching a grounded object BEFORE touching the board. Static shock could cost unexpected damage of the board.

Design Change Disclaimer
Due to design changes and product improvements, information in this manual is subject to change without notice. assumes no responsibility for any errors that may appear in this manual.

Reproduction Disclaimer
Neither this manual nor any part of it may be reproduced, photocopied, or electronically transmitted in any way without the written permission of.

Technical Support
When you experience any difficulty installing or operating the Eternity software, please contact your local distributor or at 1-866-241-9874.

II. Important information

Manufacture Default Code Setting:
1. Default Setting for Login User Name / Password is: dallas / ibutton
2. Operator Password: The default operator password is 00000000 (8 digit Zeros)
3. System Password: The default System password is 000000 (6 digit Zeros)

LED and Audio Indicator:
1. Program Mode: LED indicating GREEN, audio end with two beeps (Successful)
2. Program Mode: LED indicating Red, audio end with one beep (Fail)
3. Key Access Mode: LED indicating GREEN, audio end with two beeps (Valid Access)
4. Key Access Mode: LED indicating Red, audio end with one beep (Fail)
5. Unlock Mode: LED flashing GREEN, lock is in unlock mode
6. Lock Mode: LED flashing RED, lock is in lock mode

Important Keys:
1. DS1982/DS1990- User Key (Default key-fob color from : red, yellow, black, orange)
2. DS1994/DS1904- It contains an on board real time clock to reset the lock internal clock. (Default key-fob color from : Green)
3. DS1977- Program Key. (Default key-fob color from : Purple)
4. DS1996- Firmware Upgrade Key (Default key-fob color from : Blue)
III. General Lock Spec

This page shows the similar specifications of the Eternity 4 and Eternity 5.

**Keypad:** 12 all weather numeric keypad  
**Keypad Functions:** Permanent codes, Temporary codes, one-time service codes  
**Power Supply:** 4 standard AA batteries with a weatherized battery pack for all weather conditions  
**Power Supply Life Expectancy:** 10,000 operations, low battery warning when system drops below 4.8 volts  
**Memory Retention:** Flash memory never looses memory even without power  
**Programming / Communication Method:** iButton key-fob, no annoying wires  
**Functions:** Time zones for lock function (automatically unlock or lock), fully programmable exception dates (holidays), temporary dates, and time zones for iButton key-fobs.  
**Finishes:** Stainless, or Brass.  
**Handles:** Reversible Lever  
**Audit Trail:** 4000-event audit trail.  
**iButton Users:** 500  
**Temporary Codes:** No limit  
**Permanent Codes:** 300  
**One Time service code:** 10  
**Anti-tamper:** Red-warming light stays on for 60 seconds after 3 consecutive invalid code entries  
**Key Bypass:** Standard on all units  
**Door Preparation:** Standard ANSI A115 Series Prep, optional by adding additional 5/8” through-bolt holes to add stability to the lock and increase security.  
**Strike Plate:** ANSI Standard 115.3. Square corner, 1-1/8 x 2-3/4 inch T strike with 1-1/4 lip-to-center dimension.  
**Latch:** 2 3/4 inch backset standard (2 3/8 inch backset optional), solid brass with 1/2-inch throw 1-inch diameter bore is required.  
**Materials:** Zinc Alloy  
**Temperature:** 0°F-120°F (-18°C-50°C)  
**Exposure:** All weather conditions  
**Accessibility Standard:** Meets ADA standards Americans with disabilities act.  
**Lock Back Time:** 1 – 25 seconds (default is 5 seconds)  
**Working Voltage:** 4.8-6.4V  
**Low Battery Warning:** 4.8V or lower  
**Door Thickness:** 1 3/8" to 2"  
**Keyway:** Schlage C 6
### IV. Eternity IV Datasheet (Heavy Duty keypad Lock)

#### Hardware Spec

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>DETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lock Weight</td>
<td>6 Lb</td>
</tr>
<tr>
<td>Working Current</td>
<td>&lt;10 mA</td>
</tr>
<tr>
<td>Idle Current</td>
<td>5 µA</td>
</tr>
<tr>
<td>Lock Back Time</td>
<td>5 (1 – 25) Seconds</td>
</tr>
<tr>
<td>Working Voltage</td>
<td>4.8-6.4V</td>
</tr>
<tr>
<td>Low Battery Warning</td>
<td>4.8V or lower</td>
</tr>
<tr>
<td>Power Source</td>
<td>4 AA Alkaline Batteries</td>
</tr>
<tr>
<td>Keypad</td>
<td>Weather Proof Keypad</td>
</tr>
<tr>
<td>Handle</td>
<td>Reversible Lever</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1 3/8” to 2”</td>
</tr>
<tr>
<td>Keyway</td>
<td>Schlage C 6</td>
</tr>
<tr>
<td>Packed Weight</td>
<td></td>
</tr>
<tr>
<td>Packed Size</td>
<td></td>
</tr>
<tr>
<td>CTN Weight</td>
<td></td>
</tr>
<tr>
<td>CTN Size</td>
<td></td>
</tr>
</tbody>
</table>

#### Functions

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>SOFTWARE</th>
<th>NON-SOFTWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audit Trail</td>
<td>Yes (3000 entries)</td>
<td>N/A</td>
</tr>
<tr>
<td>iButton Key Users</td>
<td>800 (Combine iButton and code)</td>
<td>300 (Combine iButton and code)</td>
</tr>
<tr>
<td>Keycode Users</td>
<td>See above</td>
<td>See above</td>
</tr>
<tr>
<td>Timed Operation</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Auto Lock/Auto Unlock</td>
<td>16 time schedules</td>
<td>Fixed time schedule (7 days a week)</td>
</tr>
<tr>
<td>Passage Mode</td>
<td>16 time schedules</td>
<td>Single time schedule</td>
</tr>
<tr>
<td>Time Shift User</td>
<td>16 time schedules</td>
<td>Single time schedule</td>
</tr>
<tr>
<td>Remote Access</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Storehouse/Classroom Mode</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>One Time Use</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>iButton User</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Permanent Code User</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Remote Code User</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>One-Touch Lock from Inside</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Daylight Saving</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Lock Out Function</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>User Key Assignment Method</td>
<td>Software + Programming Key</td>
<td>Keypad</td>
</tr>
<tr>
<td>Software Package</td>
<td>Yes</td>
<td>(Optional)</td>
</tr>
</tbody>
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#### Ordering Information

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4IKSC01</td>
<td>E-IV TM + Keypad Satin Chrome Lockset SW Version</td>
</tr>
<tr>
<td>E4IKSC02</td>
<td>E-IV TM + Keypad Satin Chrome Lockset No SW Version</td>
</tr>
<tr>
<td>ECYLSC6M</td>
<td>Eternity Schlage C 6-Pin Master Key Cylinder</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1977K</td>
<td>DS1977 Programming Key</td>
</tr>
<tr>
<td>D1994K</td>
<td>DS1994 Internal Clock Key</td>
</tr>
<tr>
<td>D1990K</td>
<td>DS1990 iButton User Key</td>
</tr>
<tr>
<td>UIBPCR</td>
<td>iButton Reader (iButton PC Receptor)</td>
</tr>
<tr>
<td>USBPCA</td>
<td>USB PC Adapter</td>
</tr>
<tr>
<td>EternitySWCD</td>
<td>Eternity Lock Management Software CD</td>
</tr>
</tbody>
</table>

Pack List:
1. Front Handle
2. Back Handle
3. Front Lock
4. Back Lock
5. Accessory Box
   - Latch
   - Cylinder
   - Screws
Door Prep

Parts List

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>iButton Reader</td>
<td>9</td>
<td>Inside Mounting Plate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Keypad</td>
<td>10</td>
<td>Batteries Housing Cover</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Outside Lock Housing</td>
<td>11</td>
<td>Inside Lock Housing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Outside Lever</td>
<td>12</td>
<td>Inside lever</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Override Cylinder</td>
<td>13</td>
<td>Spindle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Outside Gasket</td>
<td>14</td>
<td>Strike Plate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Latch</td>
<td>15</td>
<td>Dust Boot</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Inside Gasket</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Eternity IV Installation Instruction

Step 1. Install the latch
- Insert the latch into 1” hole on edge of the door.
- Secure the latch in place with two screws.

Step 2. Install outside lock housing
- Place the outside gasket (if required) on back of the outside lock housing prior to the assembly; align the gasket along the edge of the lock housing.
- Insert the square spindle into the center hub and turn the spindle until it locks. Ensure that the Dot on center hub is point to left.

Step 3. Install inside mounting plate
- Place the inside gasket (if required) on the mounting plate, and align the inside gasket with the position hole.
- Feed the power plug through the 2 1/8 inch door hole.
- Place the mounting plate against the door, and secure the mounting plate attach to outside lock housing with three screws.

Step 4. Install inside lock housing
- Plug the power cable into the inside lock housing.
- Place inside lock housing on top of the mounting plate.
- Ensure the square spindle into inside lever hub. Secure the inside lock housing with two screws.

Step 5. Install inside lever door handle.

Step 6. Install outside lever door handle
- Ensure override shaft inside the cylinder housing is in vertical position (use flat screw driver to adjust the position when needed)
- Place the key cylinder into the outside lever door handle, insert the manual key to the cylinder and turn clockwise 90 degrees.
- Guide the cylinder into the cylinder housing and snap the lever door handle into the lever catch pin
- Turn the manual key counter clockwise 90 degree and pull the key out

Step 7. Install Strike plate
- Inset the dust boot into the doorframe.
- Place the strike plate over the dust boot.
- Secure the plate in place with two screws.
V. Eternity V Datasheet (Medium Duty keypad Lock)

### Hardware Spec

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>DETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (Lock only)</td>
<td>4.2 Lbs</td>
</tr>
<tr>
<td>Working Current</td>
<td>250 mA</td>
</tr>
<tr>
<td>Idle Current</td>
<td>15 µA</td>
</tr>
<tr>
<td>Motor Running Time</td>
<td>0.4 Second</td>
</tr>
<tr>
<td>Working Voltage</td>
<td>4.2-6.4V</td>
</tr>
<tr>
<td>Low Battery Warning</td>
<td>4.2V</td>
</tr>
<tr>
<td>Power Source</td>
<td>4 AA Alkaline Battery</td>
</tr>
<tr>
<td>Keypad</td>
<td>Weather Proof Keypad</td>
</tr>
<tr>
<td>Handle</td>
<td>Non handed</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1 3/8” to 2”</td>
</tr>
<tr>
<td>Keyway</td>
<td>SC 6 Pin</td>
</tr>
<tr>
<td>Dimension (1ps)</td>
<td>10 x 8 x 4 ½”</td>
</tr>
<tr>
<td>Dimension (8pcs/box)</td>
<td>16 x 10 ½ x 19”</td>
</tr>
<tr>
<td>Package Weight (1)</td>
<td>5 Lbs</td>
</tr>
<tr>
<td>Weight (8pcs/Box)</td>
<td>40 Lbs</td>
</tr>
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</table>

### Software Spec

<table>
<thead>
<tr>
<th>Description</th>
<th>Software</th>
<th>Non-software</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audit Trail</td>
<td>Yes. 4,000</td>
<td>No</td>
</tr>
<tr>
<td>Users</td>
<td>800</td>
<td>299</td>
</tr>
<tr>
<td>Timed Operation</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Remote Access</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Storehouse/Classroom Mode</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>One Time User</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Software Package</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Lock from Inside</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Set Up Method</td>
<td>Software</td>
<td>Keypad</td>
</tr>
<tr>
<td>Daylight Saving</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Lock Out Function</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Mortise Spec

- 3/4" throw heavy duty deadbolt with anti-saw hardened pins
- Rustproof heavy duty 2 3/8" backset lock case
- Individual spring to prevent lever sag, easily reversible
- Forged brass lever handles exceed requirements of ADA
- Auxiliary latch bolt
- Heavy Duty 1/2" latch bolt with anti-friction latch, easily reversible

**Interconnected Deadbolt Mortise:**

While unlocked turn the handle up to enable (lock) the deadbolt, or turn the handle down to disable (unlock) the deadbolt

### Ordering Information:

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5-SW</td>
<td>E5 Software Lock</td>
<td>D-1977</td>
<td>Programming Key</td>
</tr>
<tr>
<td>E5-NS</td>
<td>E5 Non-Software Lock</td>
<td>D-1994/1904</td>
<td>Clock Key</td>
</tr>
<tr>
<td>D-MC</td>
<td>Master Cylinder</td>
<td>D-1990</td>
<td>User Key</td>
</tr>
<tr>
<td>USBPCA/UIBPCR</td>
<td>Programming Encoder</td>
<td>IKeypad</td>
<td>Software CD</td>
</tr>
</tbody>
</table>
Major Lock Parts

1. Rear Handle
2. Rear Lock housing Screws
3. Rear Housing
4. Battery Plate Screw
5. Battery Plate
6. Rear Rubber Gasket
7. Door
8. Latch
9. Latch Screws
10. Dust Boot
11. Strike Plate
12. Front Lock Fastener Post
13. Square Shaft
14. Front Rubber Gasket
15. Front Lock Housing
16. Position Pin
17. Upper Fastener Post (optional)
18. Attachment Screw (optional)
19. iButton Reader
20. Keypad
21. Override Key Cylinder
22. Front Handle

Accessory Parts List

1. Battery Plate Screw (3)
2. Back Cover Screw (2)
3. Screws (4)
4. Square Shaft (1)
5. Position Pin (1)
6. Fastener Extension (2)
7. Upper Fastener Extension
8. Latch (1)
9. Strike Plate (1)
10. Dust Boot (1)
11. Override Key (2)
12. SC4 Cylinder (1)
13. iButton key (Optional)
Eternity-V-Installation

**Step 1**
Insert the latch into door hole. Secure the latch with two screws.

**Step 2**
Insert the square shaft (A) into the center hub (B) (Fig 1). Insert the position pin into the hole on the center hub to secure the square shaft. Bend the end of position pin around the center hub to secure the pin in place. (Fig 2)

**Step 3**
Screw in and tighten the two fastener extensions (C) into the front lock fastener posts located on both side of the center hub. Attach and tighten the upper fastener extension (D) if needed (Fig 3). Note: The upper fastener extension (D) is optional.

**Step 4**
Place the front lock housing onto the door, with the rubber gasket (E) between the door and lock housing. Feed the power plug (F) through the hole (Fig 4).
Step 5
Attach the battery plate onto the door, with the rubber gasket between the door and battery plate. Make sure the power plug go through the hole on the plate. Secure the battery plate to front lock fastener post with 2 screws. Fasten upper fastener post (Optional) (Fig 5)

Step 6
Install batteries, and plug in the power cable. Secure the back lock housing onto the battery plate. Fasten with 2 screws. Press both catch pin in and snap the rear handle into drive shift (Fig 6)

Step 7
Place the override cylinder into front handle housing, insert override key through the hole into cylinder. Turn the override key $90^\circ$ clockwise. Press both catch pin in and snap the front handle into drive shift. Turn override key $90^\circ$ counter clockwise and pull the key out. (Fig 7)

Step 8
Put strike box in doorframe, and then strike plate over it. (Fig 8)
**Eternity-V-Mortise-Installation**

**Step 1**
Insert the lock case into mortise pocket. Secure the lock case with two screws.

**Step 2**
Insert the square shaft (A) into the center hub (B). (Fig 1) Insert the position pin into the hole on the center hub to secure the square shaft. Bend the end of position pin around the center hub to secure the pin in place. (Fig 2)

**Step 3**
Screw in and tighten the two fastener extensions (C) into the front lock fastener posts, located on both side of the center hub. Attach and tighten the upper fastener extension (D) (Fig 3) Note: The upper fastener extension (D) is optional.

**Step 4**
Place the front lock housing onto the door, with the rubber gasket (E) between the door and lock housing. Feed the power plug (F) through the hole (Fig 4).
Step 5
Attach the battery plate onto the door, with the rubber gasket between the door and battery plate. Make sure the power plug go through the hole on the plate. Secure the battery plate with 3 screws; fasten to front lock fastener extension post and upper fastener post (Fig 5) Note: upper fastener post is optional.

Step 6
Install batteries, and plug in the power cable. Secure the back lock housing onto the battery plate. Fasten with 2 screws. Press both catch pin in and snap the rear handle into drive shift (Fig 6)

Step 7
Place the override cylinder into front handle housing, insert override key through the hole into cylinder. Turn the override key 90° clockwise. Press both catch pin in and snap the front handle into drive shift. Turn override key 90° counter clockwise and pull the key out. (Fig 7)

Step 8
Install the dust boot with strike plate onto it. (Fig 8)
Major Lock Parts

1. Rear Handle
2. Rear Lock housing Screws
3. Rear Housing
4. Battery Plate Screw
5. Battery Plate
6. Rear Rubber Gasket
7. Door
8. Lock case (Mortise)
9. Latch Screws
10. Dust Boot
11. Strike Plate
12. Front Lock Fastener Post
13. Square Shaft
14. Front Rubber Gasket
15. Front Lock Housing
16. Position Pin
17. Upper Fastener Post (optional)
18. Attachment Screw (optional)
19. iButton Reader
20. Keypad
21. Override Key Cylinder
22. Front Handle

Accessory Parts List

1. Battery Plate Screw (3)
2. Back Cover Screw (2)
3. Screws (4)
4. Square Shaft (1)
5. Position Pin (1)
6. Fastener Extension (2)
7. Upper Fastener Extension
8. Mortise (1)
9. Strike Plate (1)
10. Dust Boot (1)
11. Override Key (2)
12. SC4 Cylinder (1)
13. Allan Wrench (1) (Optional)
14. Allan Screws (2) (Optional)
15. iButton key (Optional)
Section 2 Eternity Software Guide

1. Software Setup

The Eternity Software works the same for both Eternity 4 and Eternity 5.

Operating System
Eternity software is compatible with Microsoft Windows 98/2000/XP/Vista. All software must be installed using Windows administrator account, but all level Windows users can use the program. Failure to install the applications may result in error messages and an incomplete installation. For Vista users, you may need to run the application each time as an administrator.

Installing 1-Wire USB Driver First

1. Insert installation CD. Note: On most computers, the Autorun program should launch automatically. If it does not, select Start/Run, browse to CD-ROM drive, select the Autorun file.
2. Select 1-Wire USB Driver Installation, the Setup Wizard will guide you through the steps.
3. The License Agreement screen displays.
4. Select I Agree, and then Install to start installation.
5. Select Finish. The 1-Wire USB Driver Installation is complete.
6. Plug the 1-Wire USB device into the usb port on your computer

Installing the iKeypad Software

1. Select Eternity Software Installation. The Auto installer will guide you through the steps and create the shortcut – “Eternity4-ikpad.exe” on your desktop.
2. Select Next until the installation finishes.

Login

[Login interface image]

WARNING: The administrator password is set to the factory default. It is recommended that you change it as soon as possible.
License Name: Input the name of your company
User Name: dallas
Password: ibutton
Default User Name and Password can be modified but can’t be deleted.

Change System Password

The default system password is 000000(6 Zeros). It is mandatory to change and remember the facility system password when the user is ready to use this software. It is highly recommended that the system password need to be changed from the default setting for security purpose.

![System Password Setting](image)

2. Access Control Management I

I. Lock Setup

New Lock Set Up
Click New Lock Setup Mission button from Mission Management Tab.

![Lock Setup](image)

This mission will accomplish:
- Initialize the lock back to the manufacture default setting.
- Sets the system password, and real time to the lock.
- Set Daylight Saving enable or disable
- Set Lock Mode to normal open or normal close
- Set LED Blinking or idle
Steps to set up a new lock mission

- Snap the program key (DS1977) onto the USB blue dot receptor, login to the software and click on the New Lock Setup icon, and click issue key. Click ok to clear the pop up warning message box.
- Now take the program key to the lock, hold the reset button on the lock until there are two beeps and a solid green light; while the led is solid green, touch the program key to the iButton reader on the lock, and there will be two beeps to show that it worked. The lock information will now be on the program key.
- Snap the program key back onto the USB blue dot receptor, and click the “Read Key” icon. New lock id number will appear in the retrieve window. Now click the Add Lock icon. (If the lock already exists in the system, the “exist in database” will show “True”, and you can't add the same lock to the system).
- Type in a lock name, location, status, and lock type, then click the save button.

- Lock Setting is an alternative way to add existing locks to the system. We recommend users keep the lock ID in file after the new lock setup so that you can manually input lock profile into the system when needed.

In this screen the upper window shows the lock list and the bottom window shows the valid key list for the selected lock.

- Serial ID: The Serial ID can be found from the manufacture package. Serial ID can be also obtained by using the New Lock Setup mission.
- Lock status: By manufacture default, the lock status is “No Limit Storeroom Mode.” To change the lock status, Click “Modify”, and then click on underlined “Lock Status”, Time Operation Setting screen will pop up. Highlight the group number, click “Select” button.

Select Lock from lock list, click “Modify” button.
II. User Setup
Onsite User Setting

- Add/Edit user information
  To add/edit iButton / key code user, click “Add” button in the key setting menu, and following screen will pop up:

  ![Select User Type](image)

  To add iButton user, click ok and snap a user iButton key into the encoder. Click on the empty field of “Serial ID”, the iButton key ID will be detected by the system and automatically entered. If the user key already exists in the system, the software will pop up a warning. No duplicate keys are allowed in one system.

  To add key code user, check the “Key Code User” and click ok. Type in user code under Key Code field. Enter the User profile as follows:

  - **First name**: Input the first name of the key owner.
  - **Last name**: Input the last name of the key owner.
  - **Status**: Active or Inactive (reserve for future use) User. We suggest not deleting any existing user for security reason. User can change the key status from Active to Inactive for a lost key or employee that left.

  ![User Table](image)

  - **Department**: User can either select the pre-input Department name from the pull down list, or input a new name in the field. The new name will be saved to the Department list once the data saved.
  - **Title, address**: Can be entered as the key owner profile; photo of the owner can be uploaded to the program. (These are optional information fields)

  After input all the users, click “Save” button and all user keys/codes will be stored.
Assign Onsite user to lock

- Single-lock key Assignment Mission:
  This mission is to assign iButton keys and user codes to one lock.

  - Select lock from lock list
  - Change the time shift if needed
  - Click to change the ‘Selected’ Column for the assigned users to the lock
  - Snap in programming key
  - Click “Issue Key”
  - Complete the mission by touching the programming key to the lock reader, wait till you hear a double beep.

Multiple Lock Assignment

This mission is to assign key list to multiple locks. Up to 25 locks can be assigned to each programming key.

Copy Lock Setting

This is a very useful tool when multiple locks have identical setting such as key list and/or timetable. After enroll all the locks and users into the system, set timetable and assign keys/codes to one lock, then use this lock as model lock.

  - Double click on the field of “Select Model Lock”, and select the lock from the pop up screen. Check the “Selected” boxes and issue the program key. Complete the mission by touching the programming key to each selected lock reader, wait till you hear a double beep.
Remote User Code Setting

- **Create remote Access Code**
  Click on the “Remote Code” icon, the following screen will show:

  ![Remote Code Screen]

  - Click on Lock Name field, the list of existing locks window will pop up, selects the lock from the list.
  - Fill in the Guest First, and last name.
  - Select the starting date and ending date you want the temporary codes to have access to the lock. You can select predefined check in/out time from the list (up to 4 set of check in/out time)
  - Click on the “create code” icon. The 10 digits numerical Access Code will be generated by the software. If the remote code duration time is more than 30 days, then the access code will be 12 digits.
  - Enter the Access code followed by the # key to unlock the door.
  
  Up to 4 Access Code can be created on each time period.

Here are the steps to set a sub-access code (only one allowed per access code)

- Press the “*” key till a solid green light appears on the iButton reader.
- Enter the Access code followed by the # key on the lock keypad. The green light will be flashing.
- While the light is flashing, punch in a desired code (1 to 6 digits) followed by the “#” key.
- Now both the access code and sub-access code will open the lock.

- **Terminate a lost Access Code:**
  Guest lost the access code, or access code been released to un-authorized party. Going to the lock is required to delete an access code. Below are the detailed steps for deleting an access code.

  - Click on the “Remote Code” icon. Select the “Delete Code” tab. Input the correct information or click on “Query” to see the previous access codes and select one or more to delete.
  - Snap in the programming key and click “Issue Key”
  - Touch the programming key to the lock reader until you hear two beeps. The access and sub-access code are now deleted.

- **Terminate a lost Access Code Remotely (without software):**
  - * 071502 # {access code} # {access code} #
  - Example: To delete the remote code 123456789012, do the following: * 071502 # 123456789012 # 123456789012 #
One Time Service code
Up to 16 one-time service codes can be generated during the same time window.

Note: the access codes and service codes are accurate to the hour. Setting an ending time of 3:30 will prevent the code from working any time after 3:00 on that date.

3. Access control Management II

III. Time Setting

Time shift, activation/expiration, and exception date settings can be applied to keys by doing a key assignment and selecting the desired settings.

Time Shift Setting

This function is used to set the restriction time zones for user prevents unauthorized or unwanted personnel from entering the off-hours. The beginning time and ending time of each day can user group’s permission. There are 16 Time Shift Groups in total settings in each group. The first group is No Limit. This is a each new key and it cannot be modified.

To add or modify each time zone in a time group: Simply select from the left side window, and click on Add or Modify or Delete settings in the right side window.

Here is the example for Time Shift Group 2
This company wants to set the Group 2 Shift to access from Monday to Friday 8:00am to 7:00pm, and no access on Saturday and Sunday.

Once the setting is done, click the save button to save the changes.

Timed Operation Setting

This function is used to set the lock automatically unlocked, locked, storehouse mode, or classroom mode at the setting time. There are 16 Timed Operation Groups in total, and up to 16 settings in each group. The first setting by default is No Limit Classroom Mode (The lock will stay at Passage mode all the time.) The second setting by default is No Limit Storehouse Mode (the lock will stay locked mode all the time).

There are four lock statuses the user can choose:
• Storehouse Mode: In this mode, the lock will lock back in a few seconds (0.1-25.5 seconds).
• Classroom Mode: In this mode, the lock does not lock back. The use of a valid iButton or code simply makes the lock go from unlocked to locked or locked to unlocked.
• Lock Mode: In this mode, the lock will automatically lock at the setting time.
• Unlock Mode: In this mode, the lock will automatically unlock at the setting time.

The timed operation setting is applied in the “Lock Setting” menu by changing the “Lock Status” section.

Activation / Expiration Date Setting
This function is used to set the activation date and expiration date of valid keys.

The first group is a default setting as No Limit setting. The rest of groups can be set an activation date and expiration date.
Exception Date Setting
This function is used to set restrict access during periods such as holidays, facility shutdowns, vacations. The first group set as No Limit default setting. The holidays can be set as a single day or multiple days. The selected user iButton keys or codes will be restricted from access for all of the exception dates.

IV. Mission Management
Click “Mission Management” on the main screen and select “Maintenance Mission” from the drop down menu.

Set Parameter Key
This mission will set lock parameters, such as LED “Blink”, lock passing time, adjust lock time, and enable “Daylight Saving”. To set the lock parameters, snap the program key into the encoder, press the “Issue Key” button, and then press the program key to the lock until it beeps twice to set the parameters.
Set Time Key
This step uses the DS1904 or DS1994 to set the real time of the lock.
Tip: Other than DS1904/1994 real time key, the DS1977 program key can also set the time of the lock. But program key will cause time delay since programming the mission key and programming the lock will take time. We recommend using the DS 1904/1994 real time key if the programming process takes more than 3 minutes. To set the time, snap the program key into the encoder, press the “Issue Key” button, and then press the program key to the lock until it beeps twice to set the time.

Get Information Key
Get Information mission is a useful tool to retrieve the existing lock information, such as: Key list, lock time, Time Setting, lock ID, or Batteries voltage. To get the lock information, snap the program key into the encoder, press the “Issue Key” button, and then press the program key to the lock. The lock will make a series of quick beeps, and when it is done it will do two final beeps; remove the program key and snap it into the encoder. Press the “Read Key” button to read the information.
Lockout Key
Lockout forbids all assigned keys/codes from operating the lock. Apply any Lockout key to put the lock in Lockout Mode, and apply again to release the Lockout Mode. To apply the key, snap the program key into the encoder, select open door or close door, press the “Issue Key” button, and then press the program key to the lock to set the Lockout Mode. There are two types of Lockout Modes.
- Lockout and Open: Lock will stay unlocked and lockout all users.
- Lockout and Close: Lock will stay locked and lockout all users.

Multiple locks can be selected in one key.

One-Off key/One-Off Code
These are two type of One Time User: one time service key (DS-1977) or codes (up to 10)

- **One-Off Key**
  Step1: Select locks from Lock List.
  Step2: Issue key.
  This key will immediately work on the selected lock one time only. (No need set up on the lock)

- **One-Off Code**
  Entering 10 One off code in the list, use DS1977 key to issue a programming key and assign the codes to each lock. To set the codes, snap the program key into the encoder, press the “Issue Key” button, and then press the program key to the lock until the lock beeps twice to set the codes.
  Use code# to open lock.
V. Audit Trial

Click “Mission Management” on the main screen toolbars and select “Advanced Mission” from the drop down menu, select “Get Audit Trial”:

This step downloads the audit history from locks. Two DS1977 keys are required for downloading 4000 records.

Number of Records from each lock  100  
Number of locks will be audited up to  19  

1. Snap the program key to the encoder and click on “Issue Key” button.
2. A “Write Get Audit Trail key OK” message will pop up. Click OK to close the screen.
3. Unplug the program key and touch the lock’s iButton reader, you will hear a long series of chirps followed by two beeps.
4. Snap the program key back to the encoder and click “Read key” button. The read key screen will pop up; the audit trail records will roll up on the screen.
5. Click ‘Save Data” button, the audit trail records will be saved in the Database.
VI. History

Lock Audit History

Click “History” and choose “Lock Audit History” from drop down menu, the following screen will pop up:

Here’s how to view the saved data:

1. On “Query By” give the time window of the audit records, and check the key words.
2. On “Order By” check the key words of the records order.
3. Click “Query” button, the records will show on the screen.
4. Click “Export” to save a copy of the audit trail and records the information to an Excel file.

Access Code history
All the remote temporary codes and one-time service codes will be saved for future reference

Operator Log
When select “Operator Log”, the following screen will show:

Using the same method to manage the operator log, and audit the operators’ activity.

Section 3 Non-software Guide
This section is for the use of either the Eternity 4 or Eternity 5 without software. If you use the software to setup the lock, then you can no longer use these functions without resetting the lock. Likewise, if you use the programming code to manually setup the lock, you can not use the software with the lock unless you reset and do a new lock setup mission.
I. General Information:

- **Exit Setting:** Enter * to exit the setting procedure, or wait for 10 seconds.
- **Low Battery warning:** When the voltage drops below 4.8V, after entering a valid code, the red LED will flash and beep five times.
- **Unlock:** Green light flashing twice and Beeps twice.
- **Lock:** Red Light flashing three times, and beeps three times.
- **Reset:** To set the lock back to default (123456), press and hold the reset button for about 10 seconds (3 beeps with LED blink red). The reset button is located below the battery holder.

The reset button for the Eternity 4 is shown below.

![Eternity 4 Reset Button](image1)

The reset button for the Eternity 5 is shown below.

![Eternity 5 Reset Button](image2)

II. Manufacture Default Setting:

- **Daylight Saving:** Disabled
- **Auto unlock/lock:** Disabled
- **Default Programming Code:** 123456
- **Lock Mode:** Storehouse

III. Steps to setup a new lock (please follow the order)

1. Change programming code (For example, change to 247365)
   
   # 123456 # 11 # 247365 # 247365 #

2. Enable daylight saving (optional)
   
   # 247365 # 31 #

3. Set lock time (optional) (For example, set time as January 23, 2008, 2:45PM)
   
   # 247365 # 88 # 0801231445#

4. Add user code (For example, add 1357 to the lock)
   
   # 247365 # 01 # 1357 # # #

5. Add iButton key (Optional)
   
   # 247365 # 01 # iButton key touch lock reader # #

5. Set schedule for user code or iButton key (see instructions below)

IV. Types to operate the lock:

- **Keycode:** User Code, #
- **iButton:** iButton key touch lock reader
- **iButton+Keypad:** iButton touch lock reader, LED grow green, enter user code, #
• **One time service code**: One time code, #
• **Manual key**: Turn the override key 90 degree clockwise, then turn the handle

**V. Terms:**

**Program code**: The program code puts the lock into a programming mode. It will not lock/unlock the lock. When #, program code, # is entered, the red LED starts to flash indicating the lock is in a programming mode. If more than 6 seconds pass in between programming entries, the lock will return to normal operational state. For maximum security it is necessary to **change the default program code**.

**Installer code**: Installer code is a default temporary code (0) for installer testing the lock. The code will be deleted after the first new user code is added to the lock.

**User code**: User code is the Normal code for the day-to-day operations.

**Service code**: Service Codes are used for a special purpose such as maintenance personnel or vendors. Service Code only grants one time access. Total of 10 sets of service codes can be programmed to each lock.

**Index #**: Each code or iButton will associate with a unique number, we call it index# (or slot#). The Index # is auto generated by lock and starts with 000. The highest Index# will be 299; therefore up to 300 users can be added to each lock.

* Please log the user code along with its Index # for future reference

**Passage mode**: When Passage Mode is enabled, the lock will stay in unlocked after first valid entry. Re-enter a valid entry to lock back.

**Storehouse mode**: for each valid entry, lock will automatically lock back in 5 seconds.

**Lockout**: Enable the Lockout mode will freeze the lock at its current state (Lock or unlock), temporarily disable all the user codes and iButton keys. Re-enter the function code 99 to disable the lockout mode, and resume

**Clearing lock memory**: Press and hold reset button for 10 seconds with 3 short beeps; it will delete all the codes, iButtons, and restore factory default setting.

**VI. Functions**

**How to change programming code (and not delete existing user codes)**

- Function Code: 11#
  - #{default master code#}+{11#}+{new master code#}+{new master code#}

**How to change programming code (and delete all existing user codes)**

- Function code: 22#
  - #{current master code#}+{22#}+{new master code#}+{new master code#}

**How to enable daytime saving**

- Function Code: 31#
  - #{Master code#}+{31#}

**How to set date and time**

- Function Code: 88#
  - #{Master code#}+{88#}+{ymmdhhmm#}

**How to add one user code (no time restriction)**

- Function Code: 01#
  - #{Master code#}+{01#}+{user code# # #}

**How to add multi-user code (no time restriction)**

- Function Code: 01#
  - #{Master code#}+{01#}+{user code(1)# # #}+{user code(2)# # #}+{user code3###} … and so on
How to add one user access code (with time restriction)

- Function Code: 01#
  - \{#Master code#\}+{01#}+{user code#}+{yymmddhhmm#(start time)}+{yymmddhhmm#(ending time)}

How to add multi-user code (with time restriction)

- Function Code: 01#
  - \{#Master code#\}+{01#}+{user code#(1)}+{yymmddhhmm#(start)}+{yymmddhhmm#(ending)}+ {user code#(2)}+{yymmddhhmm#(start)}+{yymmddhhmm#(ending)} …and so on

How to add one iButton key (no time restriction)

- Function Code: 01#
  - \{#Master code#\}+{01#}+{touch iButton # #}

How to add multi-user iButton key (no time restriction)

- Function Code: 01#
  - \{#Master code#\}+{01#}+{iButton(1) # #}+{iButton(2) # #} …and so on

How to add user code + iButton key as dual user (no time restriction)

- Function Code: 01#
  - \{#Master code#\}+{01#}+{user code#}+{touch iButton# #}
  - (To access door: touch “iButton key” + “user code #”)

How to add one iButton key (with time restriction)

- Function Code: 01#
  - \{#Master code#\}+{01#}+touch {iButton}+{yymmddhhmm#(start time)}+{yymmddhhmm#(ending time)}

How to add multi-iButton key (with time restriction)

- Function Code: 01#
  - \{#Master code#\}+{01#}+touch {iButton key(1)}+{yymmddhhmm#(start)}+{yymmddhhmm#(end time)}+ touch {iButton key(2)}+{yymmddhhmm#(start)}+{yymmddhhmm#(end time)} …and so on

How to disable one user code or iButton key with index#

- Function Code: 02#
  - \{#Master code#\}+{02#}+{index #}

How to enable one user code or iButton key with index#

- Function Code: 03#
  - \{#Master code#\}+{03#}+{index code#}

How to enable passage mode and schedule (lock back when the passage mode end)

- Function Code: 15#
  - \{#Program#\}+{15#}+{Schedule}+{#}+{begin time & ending time#}

How to disable passage mode

- Function Code: 16#
  - \{#Master#\}+{16#}

How to enable LED blink light (on & off)

- Function Code: 18#
  - \{#Master code#\}+{18#}

How to disable daytime saving

- Function Code: 32#
  - \{#Master code#\}+{32#}

How to set up one time service code (up to 10 service codes)

- Function Code: 33#
  - \{#Master code#\}+{33#}+{service code(1)#}+ {service code(2)#}+… and so on
How to delete user code or iButton key with index #
- Function Code: 44#
  - \{#Master code#\}+{44#}+{index#}

How to delete one user code / iButton key (without index number)
- Function Code: 46#
  - \{#Master code#\}+{46#}+{user code#} (or iButton key)

How to de-active user code / iButton key (without index number)
- Function Code: 48#
  - \{#Master code#\}+{48#}+{user code} (or iButton key)

How to In-active user code or iButton key without index number
- Function Code: 47#
  - \{#Master code#\}+{47#}+{user code} (or iButton key)

How to enable auto-unlock function
- Function Code: 64#
  - \{#Master code#\}+{64#}

How to setup auto-unlock time (it will auto unlock the door everyday at assigned time)
- Function Code: 63#
  - \{#Master code#\}+{63#}+{HHMM#}

How to disable auto-unlock function
- Function Code: 65#
  - \{#Master code#\}+{65#}

How to enable auto-lock function
- Function Code: 67#
  - \{#Master code#\}+{67#}

How to setup auto-lock time (it will auto lock the door everyday at assigned time)
- Function Code: 66#
  - \{#Master code#\}+{66#}+{HHMM#}

How to disable auto-lock function
- Function Code: 68#
  - \{#Master code#\}+{68#}

How to enable / disable Lock-out (lock out all users if enabled)
- Function Code: 99#
  - \{#Master#\}+{99#}

How to program schedule week & time
- Function Code: (45#)
  - 1st enable daylight saving
  - 2nd set up date & time (use 88# function code)
  - 3rd adding user code or iButton key in advance (see above how to add user code & iButton)
  - 4th program schedule (as below)

### Weekly Chart

<table>
<thead>
<tr>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

Formula: \{#master code#\}+{function code#}+{user code# or iButton}+{select week number#}+{begin time & ending time#}

- How to program schedule with an “user code”
  Example: \{#23456# + 45# + 2222# + 135# + 08301730#\}
Section 4 Case Study

University Park Business Center, Denton, TX

Problem: The Luxury Home Builders is one of the largest custom home/office builders in north Texas. One of the examples is the University Park Business Center. Since the business center is designed for leasing to various business owners, Contractors, and local churches, access control becomes a big issue for them.

Solution: iButton Lock and Door Controller. The Builder selected iButton lock for its versatility, increased security features, and ease of key management. With addition of Eternity Lock Management system, security has vastly improved. The inherent problems of maintaining a mechanical key system, including re-keying and changing core, are tasks relegated to the past. Base on the builder’s requirement, we divided the whole project into 5 different applications:

Main Entry: Set Lock to Classroom mode at 8:00AM, Monday to Friday, and set the lock back to storehouse mode, and lock the lock at 5:00PM, Monday to Friday.

Step 1: Time Setting, set the Timed Operation group 3 from Monday to Friday, 8:00am classroom mode. 4:59pm to Storehouse mode. 5:00pm, Lock mode. Here is the timetable for the lock:

<table>
<thead>
<tr>
<th>Begin Time</th>
<th>Lock Status</th>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00:00 AM</td>
<td>Classroom Mode</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
</tr>
<tr>
<td>4:59:00 PM</td>
<td>Storehouse Mode</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
</tr>
<tr>
<td>5:00:00 PM</td>
<td>Lock Mode</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
</tr>
</tbody>
</table>

*Saturday and Sunday will stay on Storehouse Mode base on the last action of the lock.

Step 2: Edit Lock property at Lock Setting. Change the Lock Status to Timed Operation Group3.

Step 3: Select maintenance mission and Set Time Table Key and select the Entry lock from field

Step 4: Issue Program Key.

Step 5: Take Program Key to the Entry lock. Touch and hold it to the Reader. You will hear a series of chirps followed by two beeps.

Passage Door: Between the two buildings, the passage door will stay open during the office hours, and stay in storehouse mode after hours and Weekends. Only the property owner and facility manager have the unlimited right. Here is the setting for the lock:

<table>
<thead>
<tr>
<th>Begin Time</th>
<th>Lock Status</th>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:59:00 AM</td>
<td>Classroom Mode</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
</tr>
<tr>
<td>8:00:00 AM</td>
<td>Unlock Mode</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
</tr>
<tr>
<td>4:59:00 PM</td>
<td>Storehouse Mode</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
</tr>
<tr>
<td>5:00:00 PM</td>
<td>Lock Mode</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
<td>True</td>
</tr>
</tbody>
</table>

*Saturday and Sunday will stay closed.

Exit Door: Only the property owner and facility manager have the right to enter these doors from outside.

Conference and Activity Rooms: The local Church rent the rooms for the evening and weekend Bible study and worship. From 6:30PM to 10:00PM, Monday to Friday, Saturday from 1:00PM to 10 PM, and Sunday from 8:00AM to 9:00PM.
Step 1: Time Setting, set Time Shift 3 from Monday to Friday, 6:30PM to 10:00PM, Saturday from 1:00PM to 10:00PM, and Sunday from 8:00AM to 9:00PM. Here is the timetable for the keys:

<table>
<thead>
<tr>
<th>Begin Time</th>
<th>End Time</th>
<th>Day of Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30:00PM</td>
<td>10:00:00PM</td>
<td>Monday</td>
</tr>
<tr>
<td>6:30:00PM</td>
<td>10:00:00PM</td>
<td>Tuesday</td>
</tr>
<tr>
<td>6:30:00PM</td>
<td>10:00:00PM</td>
<td>Wednesday</td>
</tr>
<tr>
<td>6:30:00PM</td>
<td>10:00:00PM</td>
<td>Thursday</td>
</tr>
<tr>
<td>6:30:00PM</td>
<td>10:00:00PM</td>
<td>Friday</td>
</tr>
<tr>
<td>1:00:00PM</td>
<td>10:00:00PM</td>
<td>Saturday</td>
</tr>
<tr>
<td>8:00:00AM</td>
<td>09:00:00PM</td>
<td>Sunday</td>
</tr>
</tbody>
</table>

Step 2: Edit the Keys property in Key Setting. Set the Time Shift group to Time Shift 3. (Set expiration date if needed)
Step 3: Use Key Management Mission, assign Keys to Locks.
Step 4: Issue Program Key.
Step 5: Take Program Key to the Lock. Touch and hold to the Reader. You will hear a series of chirps followed by two beeps.

Office Rooms: Base on the usage of the offices, we set different timetables for each individual office and time shift for the users, also we set Expiration Date to the contractors’ keys.

Section 5 Trouble Shooting Guide

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Reason</th>
<th>Solution</th>
</tr>
</thead>
</table>
| iButton Key is not working             | It’s a time restrict key               | 1. Check Time Shift setting  
|                                        |                                        | 2. Use “Get Lock Information Key” to see if this key is in the list, and if the internal clock is correct |
| Red light is on, and three beeps       | Batteries low                          | 1. Change Batteries and  
|                                        |                                        | 2. Reset the lock time                                          |
| Green light is on and two beeps, but motor is not running | No power to lock motor | Make sure the motor wire is firmly connected to the PCB |
| Temporary Key Code is not working      | Access code is expired or lock time off| Check the expiration date on the access code and time inside lock |
| Lock doesn’t accept any valid iButton key | Lock is in Lockout Mode               | Issue a new Lockout Key to release the lockout mode             |
| Will changing battery erase the key list | NO                                    | The key list and timetable are stored inside the flash memory, disconnecting the batteries can’t erase the non-volatile, solid-state flash memory. |
| After changing the battery. Temporary code stop working | Internal Time is lost | Do a Time Key to adjust internal time |

If you need additional support, please contact your local distributor or at 1-866-241-9874
Warranty Registration Form

Customer Information:

Date Purchased: ____________________________ Purchase From (company name): ____________________________

Model: ____________________________ Serial Number: ____________________________

First Name: ____________________________ Last Name: ____________________________

Daytime Phone: ____________________________ E-mail: ____________________________

Shipping Address: ____________________________

City: ____________________________ State: ____________________________ Zip Code: ____________________________

<---------------------------<---------------------------<--------------------------->

Mail Registration Form to:

Inc
Attn: Registration Dept
PO Box 250128
Plano, TX 75025

Warranty and RMA Guidelines

Receiving Your Order
1. Upon receipt of your new merchandise, please inspect carefully as to the contents and condition. All claims for damaged or missing items MUST be reported to within five (5) business days upon receipt of merchandise. In the event your package arrives damaged, it is the responsibility of the customer to contact the carrier to inspect the package to assure full refund/replacement. All packaging MUST be retained until the problem has been resolved.
2. Carefully unpack and inspect all merchandise. Please DO NOT damage the manufacturer's packaging. DO NOT throw away any material included with the package until you are absolutely certain the product has not been damaged. We cannot accept merchandise for return with incomplete or damaged or missing collateral material.
3. Maintain your Invoice. Read all instruction manuals BEFORE testing your equipment.
4. accepts neither responsibility nor liability for any consequential or incidental damages resulting from the installation or operation of any merchandise purchased from us.

Return/Exchange Policy

NO RETURNS WILL BE ACCEPTED WITHOUT R.M.A# (Return Merchandise Authorization Number)
You can return or exchange, excluding any shipping and handling charge, within a period of thirty (30) days for lock merchandise and fourteen (14) days for accessories, if you are not satisfied with the products. If defective, items may be exchanged for the same model only. Special Order items are not returnable. will not accept any returns or exchanges on Batteries, Memory Chips, User Keys or any other consumable products.

Inc. Basically does not take ADVANCE SHIP or CROSS SHIP unless otherwise approved by authorization within 1 year of purchase.

Prior to returning any item, YOU MUST call Customer Service for pre-approval RMA number. All merchandise purchased from is sold in its original factory packaging with all contents as supplied to us by the manufacturer. Items can be returned only if in original packaging, same new condition as sold with literature/instructions. Place the manufacturer's box into a shipping box. Please do not put any stickers or labels on the original manufacturer's packaging. Please ship the items back to us with freight prepaid. do not responsible for lost or damaged packages.

Attach a copy of original invoice with freight pre-paid for Warranty / RMA service.

If any of the above conditions are not met, reserves the right to either refuse the return or to charge a restocking fee for not less then 15%.

Warranties
Most items sold by are covered by a manufacturer's one-year parts warranty from the purchasing day. (Labor is not included).

Technical Assistance Hotline: 866-241-9874
As part of our continuing commitment to all our customers, ’s technically proficient sales associates can guide you in determining what products best solve your situations. With their combined experience, we're confident that our Tech-Associates have the background and talent to help you narrow your choices to the precise items that best suit your particular requirement.

WARRANTY DOES NOT INCLUDE LABOR, TRAVEL CHARGES, OR ANY OTHER COSTS INCURRED FOR REPAIR, REMOVAL, INSTALLATION, SERVICING, DIAGNOSING OR HANDLING OF EITHER DEFECTIVE PARTS OR REPLACEMENT PARTS.