



OPERATOR'S MANUAL

FOR THE

SHERLOCK KEYLESS ENTRY ELECTRONIC LOCK SYSTEM

Fire King[®]
SECURITY PRODUCTS
FOR THE 21ST CENTURY

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1.0 INTRODUCTION

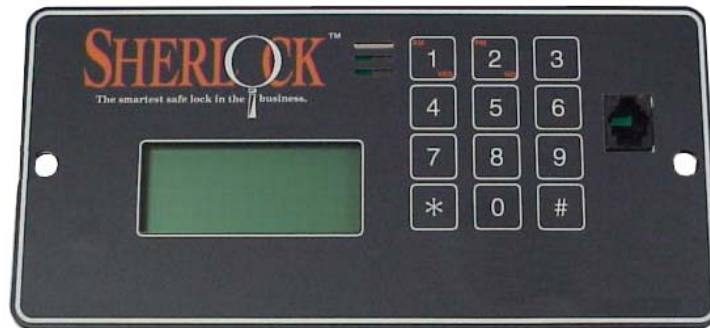
Sherlock is an electronic lock package and this manual documents its operation.

1.1 SCOPE OF DOCUMENT

This manual provides all of the information you need to operate and administrate the Sherlock electronic lock. This document specifically covers the keyless version of Sherlock supporting one or two doors. This document provides the operating instructions for all users, up to and including the owner.

1.2 SHERLOCK OVERVIEW

Sherlock is an intelligent lock package made up of a display module (outer board), a lock control module (inner board), power supply, and interconnecting cables. User numbers are assigned to employees, along with PINs (personal identification numbers). Up to 30 users may be enrolled at one time. Sherlock may be programmed to restrict access to the safe using time delays and timelocks. An audit trail records all user activity. This log may be displayed or printed. Sherlock supports advanced features such as timeout penalty for entering the wrong PIN too many times.



Sherlock Keypad

1.3 APPLICATIONS

Keyless Sherlock is designed for applications restricting safe access to certain hours with a log of user access. Sherlock is typically setup to allow more restricted access to the high-value inner compartment while allowing broader employee access to tills and change stored in the outer compartment. Sherlock must see a valid PIN number to grant access during authorized hours. Proper application of signs combined with this technology provides maximum employee safety and theft protection. The audit trail is a log that can be used to obtain a detailed history of employee activity to determine who entered the safe, when, and for how long.

2.0 FEATURES

2.1 AUDIT TRAIL

The Audit Trail is a 2000 line record of operational history. Everything that any user does is recorded in this log. This includes safe entry, door opening and closing, violations, and programming changes. The audit trail may be displayed or printed. Users 01 to 25 may view the audit trail. Users 27 to 30 may also print the audit data.

2.2 TIME DELAY

The purpose of an inner door time delay is to protect employees during a robbery while still allowing controlled access for legitimate purposes. Most robbers are not willing to stay in a store long enough for delay to time out. They will take what they can from the outer compartment, but will leave drop money. Users 29 and 30 (General Manager and Owner) are the only users with permission to edit the inner door delay (the factory default is 15 minutes). When a delay is set, the inner door may be accessed after the delay is satisfied by logging in a second time during a period called the Access Time. Also programmable, the default access time is 5 minutes. Once the access time has expired, the delay must once again be satisfied before the door may be accessed again.

2.3 TIMELOCK

The purpose of a timelock is to completely prevent safe access during specified hours. This not only keeps a burglar out, and keeps employees honest by not allowing them the opportunity to enter the safe outside of authorized business hours. Users 29 and 30 (General Manager and Owner) are the only users with permission to edit timelocks. By default, the safe goes into timelock at 11:59 pm each day and comes out of timelock at 8:00 am each day. Each day can be set separately to accommodate opening and closing schedules. Note that timelock operates on a 24 hour clock. Any time after 12:00 midnight is considered the next day. Each day has 3 time slots that can be programmed (initial lock time, unlock time, and last lock time). This allows the safe to be timelocked after midnight, unlocked in the morning, and locked again prior to midnight. To disable the capability to lock during the AM or PM, "99:99" must be programmed into that time slot. The times that are programmed into the timelock can be viewed on the display screen or printed on a printer.

2.4 ENROLLED USERS

Up to 30 users may be enrolled in the Sherlock. Users are assigned a two-digit user number and a six-digit PIN. Users 27 and above are allowed to enroll users (these managers may only enroll lower user numbers). The Employee Count feature is used to see which user numbers are currently active.

2.4.1 Users 01 to 25: Employees

Users 01 through 25 have permission to access doors, view the audit log, and may change their own PIN number.

2.4.2 User 26: Armor Car

User 26 has the unique ability to bypass time delay. Whenever User 26 logs in, a second user immediately must log in to open the inner door. This feature prevents instant access to an unauthorized user and ensures that an employee is responsible for allowing the armor car carrier to make the pickup. User 26 may not access the audit trail, change their own PIN, or perform any other function.

2.4.3 User 27: Assistant Manager

User 27 may open doors, change their own PIN, remove user 01 to 29, or enroll users 01 to 26. The Assistant Manager may also view, print the audit log and view or print the employee count.

2.4.4 User 28: Store Manager

The Store Manager is identical to the Assistant manager except that the Store Manager may enroll users 01 to 27.

2.4.5 User 29: General Manager

The General Manager has the added ability to edit the system clock (date/time), change time delay settings, and change timelock settings. The General Manager may enroll users 01 to 28.

2.4.6 User 30: Owner

The highest user, the Owner, has all permissions of the General Manager and may enroll users 01 to 29. The Owner may not be deleted from the system.

2.4.7 User 40: System

Certain events logged in the audit trail cannot be assigned to a specific user, such as entering and exiting timelock. These entries will appear in the audit trail assigned to User 40, or System.

2.4.8 Employee Count

Assistant Managers and above may view or print the employee count to see what user numbers are currently active. A user number that has been enrolled is marked "Y" next to the user number while those user numbers not enrolled are marked with a "N."

2.5 POSITIVE USER IDENTIFICATION

PIN numbers are used to verify user number identity. Each user's PIN is six digits long and must be entered whenever the user is accessing the system. Any user may change their own PIN at any time. Note: if the Owner's PIN is ever lost, contact Fire King Security Products Technical Service for assistance. If an incorrect PIN is entered 5 times consecutively, the unit will go into a 10 minute penalty period where no keypad input is accepted. This prevents an unauthorized person from continuously attempting different PIN numbers until finding one that works.

2.6 EXTERNAL POWER SUPPLY

Internal circuitry is powered by an external 5 to 12 V_{DC/AC} supply. A standard 120 V_{AC} adapter (North America only) with 9 V_{DC} output is provided with your safe. Outside North America, your dealer can provide you with the proper power supply adapter. The power supply is external to the safe so that if it ever fails, the power supply can be serviced or replaced without entering the safe.

2.7 DISPLAY MODULE

The display module (outer board) provides an LCD display and a standard numeric keypad with soft touch membrane and RJ11 data port for printer output. The "#" button typically cancels your last entry. The "*" button is not used. A speaker is provided to signal the user when certain action is required, certain events are complete, or when some other special condition exists.

2.8 LOCK MODULE

A small circuit board mounted inside the protected interior of the safe communicates with the display module via internal cable. This inner board stores encrypted user number/PIN data. It also energizes the electronic locks when conditions are met.

3.0 OPERATION

3.1 IDLE SCREENS

When the screen is in an idle state it will indicate either "System Ready" or "Timelocked."

3.1.1 System Ready

Normal access is allowed whenever the screen indicates "System Ready." Remember, if a delay is set on the inner door, that delay must still be satisfied in order to open the inner door. Press any number to activate user log in.

```
Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A
```

3.1.2 Timelocked

When the screen says "Timelocked" then the safe cannot be opened.

```
Sherlock
SAFE TIMELOCKED
MONDAY
07/22/02 08:40 A
```

3.2 CHANGE PIN

Any enrolled user (except Armor Car User 26) can change their own PIN at any time. Although Sherlock does not require you to change your PIN, we recommend that all users change their PIN on a regular basis to minimize the chance of their PIN data being "shared" by others.

1. Press any **number** on the keypad.
2. Enter a 2 digit User Number.
3. Enter the appropriate 6 digit PIN code. If you see "INVALID CODE", you have either entered the incorrect PIN code or the User Number needs to be added to the lock. See your manager.

```
USER #__
07/22/02 08:40 A
```

```
USER #01
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A
```

NOTE: If an invalid PIN code is entered 5 consecutive times, the lock will enter an error delay period for 10 minutes.

```
USER #01: SAFE=1
ADMINISTRATION=2
```

4. Employees select ADMINISTRATION (press "2") or Managers select CODES (press "2").
5. Employees select PIN# CHANGE (press "2") or Managers select CHG CODE (press "1").
6. Enter the new 6 digit PIN code.
7. Re-enter the new 6 digit PIN code.
8. The PIN code has been changed. The unit confirms by displaying the message CODE CHANGED. The normal idle display will return and the safe is now ready for normal use.

```
ADMIN: AUDIT=1
PIN # CHANGE=2
```

```
ENTER NEW CODE
CODE? _____
PRESS # TO EXIT
```

```
REENTER NEW CODE
CODE? _____
PRESS # TO EXIT
```

```
CODE CHANGED
```

```
Sherlock
SYSTEM READY
MONDAY
07/22/02 08:41 A
```

3.3 OPENING DOORS

A common capability of safe users is the ability to open doors. Note that when the safe is timelocked, no access is permitted unless the Armor Car user is available.

3.3.1 Open Outer Door

The outer door may be opened at any time, except when the idle display indicates Safe Timelocked. During timelock refer to Section 3.3.3 for Armor Car access.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select SAFE (Employees press "1" or Managers press "5").
5. Select OUTER (press "1").
6. While SAFE UNLOCKED is flashing on the display, the safe outer door can be opened by turning the handle. After approximately 5 seconds, the lock automatically relocks.
7. Close the safe door and make sure the handle rotates to the closed and locked position. The safe is again ready for normal use.

```

USER #__
07/22/02 08:40 A
    
```

```

USER #01
CODE? ____
PRESS # TO EXIT
07/22/02 08:40 A
    
```

```

USER #01: SAFE=1
ADMINISTRATION=2
    
```

```

SAFE ACCESS
OUTER=1 INNER=2
    
```

```

SAFE UNLOCKED
MONDAY
07/22/02 08:40 A
    
```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:41 A
    
```

3.3.2 Open Inner Door

The inner door may be opened at any time, except when the idle display indicates Safe Timelocked. During timelock refer to Section 3.3.3 for Armor Car access. If your inner door is programmed with a delay, you must log in once, satisfy the delay requirements, then log in again during the access time to open both of the safe doors. Sherlock automatically unlocks the outer door when it unlocks the inner door so that you do not have to open the outer door separately.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select SAFE (Employees press "1" or Managers press "5").
5. Select INNER (press "2").
6. The delay will begin to count upward. To cancel the delay press "#."
7. When the delay ends, the safe will beep and the access time will begin. The access time will count up on the screen while idle until the access time ends. You may terminate the access time count at any time by pressing "#."
8. During the access time repeat steps 1 through 3 above. The safe will then indicate that it is unlocked and you may open both safe doors. The safe will only remain unlocked for about 5 seconds. To open, turn the handle and pull the outer door open, then reach in and turn the inner door knob and pull the inner door open.
9. After the safe doors are closed you may immediately reopen them as long as the access time is counting on the screen (follow Steps 1 through 5 above). You may terminate the access time count at any time by pressing "#."
10. Close both safe doors and make sure the outer door handle rotates to the closed and locked position. The safe is again ready for normal use.
11. Regardless of whether the doors are open or whether they have been opened, the timer will reset when the access time ends and the delay must be satisfied from the beginning before the inner door may be opened again.

```

USER #__
07/22/02 08:40 A
  
```

```

USER #01
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A
  
```

```

USER #01: SAFE=1
ADMINISTRATION=2
  
```

```

SAFE ACCESS
OUTER=1 INNER=2
  
```

```

TIME DELAY
00 MIN 03 SEC
CANCEL=#
07/22/02 08:40 A
  
```

```

READY ENTER CODE
00 MIN 03 SEC
CANCEL=#
07/22/02 08:55 A
  
```

```

USER #__
07/22/02 08:55 A
  
```

```

USER #01
CODE? _____
PRESS # TO EXIT
07/22/02 08:55 A
  
```

```

SAFE UNLOCKED

MONDAY
07/22/02 08:55 A
  
```

```

READY ENTER CODE
01 MIN 58 SEC
CANCEL=#
07/22/02 08:57 A
  
```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 09:00 A
  
```

3.3.3 Armor Car Access

The purpose of the Armor Car user is to bypass the inner door delay for immediate access to remove manual drops.

1. Press any **number** on the keypad to begin.
2. Enter User Number "26".
3. Enter Armor Car 6 digit PIN code.
4. Enter a valid 2 digit User Number.
5. Enter your 6 digit PIN code.
6. The safe will then indicate that it is unlocked and you may open both safe doors. The safe will only remain unlocked for about 5 seconds. To open, turn the handle and pull the outer door open, then reach in and turn the inner door knob and pull the inner door open.
7. Close both safe doors and make sure the outer door handle rotates to the closed and locked position. The safe is again ready for normal use.

USER # __
07/22/02 08:40 A

USER #26
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A

USER # __
ENTER VALID USER

USER #01
CODE? _____
PRESS # TO EXIT
ENTER VALID USER

SAFE UNLOCKED
MONDAY
07/22/02 08:40 A

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:42 A

3.4 ENROLLED USERS

Up to 30 users may be enrolled. Managers may delete any user (except User 30). Managers may enroll any user number lower than their own user number. Managers may check which user numbers are taken by checking the Employee Count.

3.4.1 Delete User

By deleting a user, their user number becomes available for assignment to a new user. Meanwhile, it disables the user number. Managers may delete any user except User 30.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select CODES (press "2").
5. Select DELETE (press "2").
6. Enter the two-digit user number to be deleted.
7. You will be prompted to verify your decision. To continue with deleting the user select YES (press "1").
8. The display will briefly indicate the user is deleted, then will return you to the Codes screen. Press "#" to return to the idle screen.

USER #__ 07/22/02 08:40 A
USER #29 CODE? _____ PRESS # TO EXIT 07/22/02 08:40 A
ADMIN: AUDIT=1 CODES=2 TIMES=3 T/L SET=4 SAFE=5
CODES:CHG. CODE=1 DELETE=2 ADD=3 COUNT=4 EXIT=5
DELETE #__
DELETE #01? DELETE YES=1 NO=2
DELETE #01? ***DELETED***
CODES:CHG. CODE=1 DELETE=2 ADD=3 COUNT=4 EXIT=5
Sherlock SYSTEM READY MONDAY 07/22/02 08:40 A

3.4.2 Add User

Add a user to the system by enrolling an available user number. This assigns the user number and enables it with an active PIN. Once the user number and PIN are issued to the individual, that individual may change their own PIN.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select CODES (press "2").
5. Select ADD (press "3").
6. Enter the two-digit user number to be added.
7. Assign an initial six-digit PIN number for this user.
8. The display will return you to the Codes screen. *Note: If you are enrolling more than one Employee at a time, always begin with the highest User Number you are enrolling and work your way to the lowest. Otherwise Sherlock may not accept entries.*
9. Press "#" to return to the idle screen.

```

USER #__
07/22/02 08:40 A
    
```

```

USER #29
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A
    
```

```

ADMIN: AUDIT=1
CODES=2 TIMES=3
T/L SET=4 SAFE=5
    
```

```

CODES:CHG. CODE=1
DELETE=2 ADD=3
COUNT=4 EXIT=5
    
```

```

ADD CODE#__
ENTER CODE
    
```

```

ADD CODE#01
CODE? _____
PRESS # TO EXIT
    
```

```

CODES:CHG. CODE=1
DELETE=2 ADD=3
COUNT=4 EXIT=5
    
```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A
    
```

3.4.3 Employee Count

Use the Employee Count to check which user numbers are taken and which are available.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select CODES (press "2").
5. Select COUNT (press "4").
6. To view the count select LOOK (press "1").
7. The display will show a chart with all 30 user numbers arranged as three rows of 10 each representing 01 to 10, 11 to 20, and 21 to 30 respectively. Each user number is marked with a "Y" or an "N" to indicate whether the user number is currently assigned.
8. Press "#" to return to the Codes screen. Press "#" again to return to the idle screen.

```

USER #__
07/22/02 08:40 A

```

```

USER #29
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A

```

```

ADMIN: AUDIT=1
CODES=2 TIMES=3
T/L SET=4 SAFE=5

```

```

CODES:CHG. CODE=1
DELETE=2 ADD=3
COUNT=4 EXIT=5

```

```

EMPLOYEE COUNT
LOOK=1 PRINT=2

```

```

EMP# 1234567890
1-10 YYNNNNYNNN
11-20 NNNNNNNYYY
21-30 NNNNNNNYYY

```

```

CODES:CHG. CODE=1
DELETE=2 ADD=3
COUNT=4 EXIT=5

```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A

```

3.5 SET SYSTEM CLOCK

One of the most important features for system security, usability, and even employee safety is the system clock. The clock ensures that the timelock activates during the proper hours. This protects people as well as contents and ensures employees have appropriate access during business hours. Only the Owner (User 30) and General Manager (User 29) have permission to change the system clock.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select TIMES (press "3").
5. Select TIME/DATE (press "1").
6. The day of the week will be shown. To scroll through the days of the week press "2," if necessary, then press "1" to accept the day of the week shown.
7. The time of day will be shown. If the current time is correct, press "1." To change the time setting press "2."
8. If you selected to change the time, enter the new time. This must be a value between 01:00 and 12:59. Enter "1" for AM and "2" for PM after the time value.
9. The date will be shown (MM/DD/YY format). If the current date is correct, press "1." To change the date setting press "2."
10. If you selected to change the date, enter the new date. This must be entered in MMDDYY format.
11. You will automatically return to the idle screen. Verify that the correct day of the week, date and time are displayed.

USER # __

07/22/02 08:40 A

USER #29
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A

ADMIN: AUDIT=1
CODES=2 TIMES=3
T/L SET=4 SAFE=5

TIME/DATE=1
TIME DELAY=2

MONDAY
OK=1 CHANGE=2

OK=1 CHANGE=2
CURRENT 08:40 A

AM=1 PM=2
NEW __:__-
CURRENT 08:40 A

CHANGED

OK=1 CHANGE=2
CURRENT 07/22/02

CHANGED

__/__/__ NEW
07/22/02 CURRENT

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A

3.6 SET INNER DOOR DELAY AND ACCESS TIME

The delay time is the waiting period you must satisfy before opening the inner door. Access time is period following completion of the delay during which users may immediately open the inner door. The Owner (User 30) and General Manager (User 29) are the only users with permission to edit the inner door delay and access times.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select TIMES (press "3").
5. Select TIME DELAY (press "2").
6. The current delay will be shown. To change the delay press "1." Press "2" to accept the delay shown.
7. If you chose to change the delay, enter the new delay (the old delay will be shown below).
8. The current access time will be shown. To change the access time press "1." Press "2" to accept the access time shown.
9. If you chose to change the access time, enter the new access time (the old access time will be shown below).
10. You will automatically return to the idle screen. Repeat this procedure to verify settings.

```

USER # __
07/22/02 08:40 A

```

```

USER #29
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A

```

```

ADMIN: AUDIT=1
CODES=2 TIMES=3
T/L SET=4 SAFE=5

```

```

TIME/DATE=1
TIME DELAY=2

```

```

TIME DELAY
CURRENT 15 MIN.
CHANGE YES=1 NO=2

```

```

NEW __ MIN.
CURRENT 15 MIN.

```

```

ACCESS TIME
CURRENT 05 MIN.
CHANGE YES=1 NO=2

```

```

NEW __ MIN.
CURRENT 05 MIN.

```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A

```

3.7 SET TIMELOCK

Timelock prohibits access to the safe during the hours specified. Timelock settings include a lock time, unlock time, and a second lock time. Having two lock times allows for starting timelock after midnight if the previous day does not go into timelock before midnight. The second lock time allows the timelock to take effect before midnight. Enter 99:99 for either lock time to disable that lock time. The Owner (User 30) and General Manager (User 29) are the only users with permission to edit timelocks. **Caution: Timelock settings may only be edited while out of timelock (while System Ready is displayed at idle). Do not place the safe in 24-hour timelock or the safe will become completely unavailable.**

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select T/L SET (press "4").
5. Select LOOK (press "1").
6. The timelock settings for Sunday are displayed first. To make a change select CHANGE (press "2"). To keep the settings for this day of the week and move to the next day select NEXT (press "1").
7. If you choose to change the timelock settings, AM and PM will be displayed at the bottom of the screen and the cursor will go to the beginning of the first lock time. Enter the time desired. Remember to use 12-hour time and select AM ("1") or PM ("2") for each line.
8. When all lines are entered NEXT and CHANGE will again appear at the bottom of the screen. Select NEXT (press "1") to go to Monday. Repeat Steps 6 through 8 until all days are set. When you reach Saturday the display will instead say REVIEW and EXIT to let you know you have cycled through all days.

```

USER #__
07/22/02 08:40 A
    
```

```

USER #29
CODE?
PRESS # TO EXIT
07/22/02 08:40 A
    
```

```

ADMIN: AUDIT=1
CODES=2 TIMES=3
T/L SET=4 SAFE=5
    
```

```

TIMELOCK SETTING
LOOK=1 PRINT=2
    
```

```

SUN LOCK 99:99 AM
UNLOCK 08:00 AM
LOCK 11:59 PM
NEXT=1 CHANGE=2
    
```

```

SUN LOCK 99:99 AM
UNLOCK 08:00 AM
LOCK 11:59 PM
AM=1 PM=2
    
```

```

SAT LOCK 99:99 AM
UNLOCK 08:00 AM
LOCK 11:59 PM
REVIEW=1 EXIT=2
    
```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A
    
```

3.8 VIEW AUDIT TRAIL

The data logged in the audit trail sets Sherlock apart from other lock packages because you can look back through the last 2000 actions taken and see who did what, and when. Everything is recorded. For example, if User 06 logs in to open the outer door, the audit trail will show the exact time and date of the event. All users have permission to view the audit trail.

1. Press any **number** on the keypad to begin.
2. Enter a 2 digit User Number.
3. Enter your 6 digit PIN code.
4. Select AUDIT (press "1").
5. Select DISPLAY AUDIT (press "2").
6. The display will indicate the first date of the audit trail to display. To accept this setting select OK (press "1") or to change the start date select CHANGE (press "2") and enter a new date (MMDDYY format). *The default start date is always the date of factory initialization.*
7. The display will next indicate the last date of the audit trail to display. To accept this setting select OK (press "1") or to change the start date select CHANGE (press "2") and enter a new date (MMDDYY format). *The default end date is always the current date.*
8. Starting with the first entry on the start date, the screen will display the audit data, one entry at a time. Select NEXT (press "1") to scroll forward through the entries. Select EXIT (press "2") to stop scrolling and return to normal operation.

```

USER #__
07/22/02 08:40 A
  
```

```

USER #29
CODE? _____
PRESS # TO EXIT
07/22/02 08:40 A
  
```

```

ADMIN: AUDIT=1
CODES=2 TIMES=3
T/L SET=4 SAFE=5
  
```

```

PRINT AUDIT=1
DISPLAY AUDIT=2
  
```

```

START 07/01/02
OK=1 CHANGE=2
  
```

```

ENTER DATE TO
START __/__/__
  
```

```

THRU 07/21/02
OK=1 CHANGE=2
  
```

```

ENTER DATE TO
THRU __/__/__
  
```

```

DATE 07/01/02
07:25A KEY #06
OUTER DOOR UNLK
NEXT=1 EXIT=2
  
```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A
  
```

```

Sherlock
SYSTEM READY
MONDAY
07/22/02 08:40 A
  
```

3.9 PRINTING DATA

Users with appropriate permission to access these functions may print audit trail data, timelock setup data, and employee count data. A standard serial line printer must be connected to Sherlock via front panel RJ11 connector. Connect the printer and ensure it has power, paper, ribbon, etc., before attempting to print. Sherlock data output is 2400 baud, 8 data bits, no parity, 1 stop bit. The following procedure includes the additional steps which you will need to follow whenever printing, regardless of which data you are printing.

1. After choosing to PRINT your data (audit, timelock, or employee count) you will be prompted to connect the printer. Make sure the printer is connected and ready to print.
2. Select READY (press "1") to begin printing. If a problem occurs and you need to cancel the procedure, select RESET (press "2").
3. Once printing begins you may manually stop the printing by pressing any number.
4. If the display indicates NO PRINTER CHECK, there is a problem with the printer or its data connection. Check your hardware setup and select RETRY (press "1") when you believe your setup is correct.
5. When Sherlock has finished printing a message will appear briefly on the screen to advise you, then it will return to its normal idle display.

```
CONNECT PRINTER  
READY=1 RESET=2
```

```
PRINTING AUDIT  
CANCEL = ANY KEY  
MONDAY  
07/22/02 08:40 A
```

```
NO PRINTER CHECK  
RETRY=1 RESET=2
```

```
AUDIT PRINTOUT  
COMPLETE  
MONDAY  
07/22/02 08:40 A
```

```
Sherlock  
SYSTEM READY  
MONDAY  
07/22/02 08:40 A
```

```
Sherlock  
SYSTEM READY  
MONDAY  
07/22/02 08:40 A
```

4.0 SERVICE

You are encouraged to familiarize yourself with Sherlock. Understanding its features and characteristics will drastically diminish the need for assistance. However, should you experience difficulties, you may call **1-800-452-4655 (812-948-8400 outside USA)** to speak to a factory technician. This telephone number is monitored 24-hours a day. Although you may experience a reasonable delay during evenings and holidays, a technician will return your call promptly. Do not call your local locksmith for service! Service must be coordinated and approved by Fire King Security Products to be covered under warranty conditions.

4.1 TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Safe will not allow access to any authorized employees.	Time lock. <i>Sherlock is equipped with a timelock feature.</i>	If the safe has entered the time lock period, you must wait for the time lock period to expire in order to access the safe (usually the next day). Only User 29 or User 30 can edit the timelock settings, but only while the safe is out of timelock..
Lost PIN.	Sherlock uses the employee PIN as an assurance against unauthorized use. The factory does not have access to your PIN, nor can your user number be made functional without it.	Contact your supervisor for further assistance. Suggested action is to re-enroll the affected user number with a new PIN.
Message: "ERROR DELAY"	Your PIN was entered incorrectly five consecutive times.	Sherlock will not respond to your touch for 10 minutes.
No display and no response to keypad touch.	The most likely cause is loss of AC power. Check the power supply is plugged in and that the outlet is providing power. Check that the power supply is plugged into the safe.	Plug in the power supply and ensure the outlet has power. If Sherlock remains inoperable, call the Fire King Security Products Technical Service department.

4.2 PREVENTATIVE MAINTENANCE

Your Sherlock electronic lock system should provide you with years of trouble free performance. We do recommend that you regularly wipe the keypad and display with a soft cloth using rubbing alcohol (sparingly). Do not attempt to wash your safe's hinges or other moving parts and never use any cleaning chemicals, water, or other liquids on exposed electronics.

4.3 PRODUCT WARRANTY

The warranty statement below applies to safes manufactured by Fire King Security Products and sold under the brand names FireKing, NKL, Gary or Meilink. When installed on other brands, the warranty is provided by that safe manufacturer. If Sherlock is installed as an upgrade to an existing product, regardless of the brand, the parts carry a 90 day warranty from date of purchase.

FIRE KING SECURITY PRODUCTS ONE YEAR LIMITED WARRANTY

If a mechanical, electronic, or operable part of the Sherlock electronics malfunctions or breaks down during normal use, Fire King Security Products will, at our option, repair or replace such part free for a period of one year from the date of installation. External devices, not manufactured by Fire King Security Products (such as transformers and UPS devices), are warranted for ninety (90) days from date of installation..

Warranty Service is available by contacting your dealer or by contacting Fire King Security Products at 800-452-4655 (812-948-8400 outside USA). Fire King Security Products reserves the right to have its representative inspect any product or part to honor any claim, and to receive a purchase receipt or other proof of original purchase before any warranty service is performed.

This warranty is limited to the terms stated herein. All expressed and implied warranties including the merchantability and fitness for a particular purpose are excluded, except as stated above. Fire King Security Products disclaims all liabilities for incidental or consequential damages resulting from the use of this product, or arising out of any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights as well, which vary from state to state.

4.3.1 Things That Void Warranty

Your warranty will be void if you misuse or abuse the safe or electronics, apply incorrect power source, remove or substitute parts, use the product in an application it was not intended for, or use any sort of sharp object to press the keypad. Unauthorized service will also void your warranty.

4.3.2 Duration of Warranty

Your warranty, as stated above, applies to safes manufactured by Fire King Security Products. This includes FireKing, Meilink, NKL and Gary brand names. When Sherlock electronics are sold as an upgrade to an existing safe, the parts are covered by a 90 day parts warranty. For safes sold with Sherlock where the safe brand is not manufactured by Fire King Security Products, the warranty is provided by that safe manufacturer.

4.4 OBTAINING WARRANTY SERVICE

Sherlock is manufactured by Fire King Security Products and may be distributed on FireKing, NKL, Gary, or Meilink brands by Fire King Security Products. Sherlock may also be installed on virtually any safe. Warranty conditions vary depending on safe brand and country.

4.4.1 Inside USA, Fire King Security Product Safes (FireKing, NKL, Gary or Meilink Brands)

Contact Fire King Security Products at 800-452-4655 or 812-948-8400. We will verify your warranty status and dispatch a qualified local safe technician to repair your safe. Contacting a locksmith directly will void your warranty. When you contact Fire King Security Products be prepared to provide your safe serial number as well as contact information.

4.4.2 Inside USA, Other Fine Brands

Contact your safe manufacturer for warranty service.

4.4.3 Outside USA

Contact your local distributor for assistance.

Fire King[®]
SECURITY PRODUCTS
FOR THE 21ST CENTURY

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