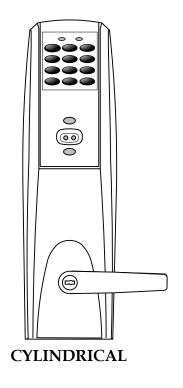
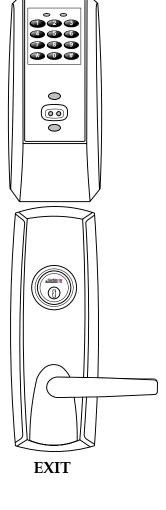


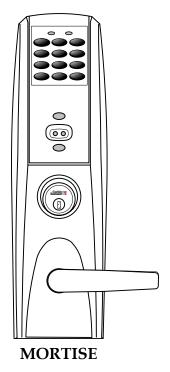


FM226A 3/07 (617417440)

Keypad Programming Instructions For the Access 800 TCAC2 Series Locks







For programming assistance, contact Corbin Russwin, Inc., at 1-800-810-WIRE (9473)

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Important

- Access800 TCAC2 controllers have replaced Access800 controllers for the M801, M802, M803, M804, M805 and M806 Options (first generation Access800 controllers for these options are no longer available).
- All Access800 Series Products are now ordered by entering TCAC2 in the Technology Code field in the order string when M800 M806 Options are selected.
- If your controller label does not have "TCAC2" refer to FM226 Keypad Programming Instructions.

The Keypad Lock can support 100 (M800) / 2000 (M801 - M806) users. Each user is assigned a User Number in addition to the code used for entry. Example:

USER TYPE	USER LOCATION
Master	01
Supervisor	03 (M800), 02 (M801-M806)
Emergency	02 (M800), 03-2000 (M801-M806)
Standard	04-100 (M800), 03-2000 (M801-M806)

- Accessware applications software must be used for programming with M802 & M805 controller
- The Master Code is always User Location "01". The Master Code assigns the Emergency and Supervisory Codes. It is also used for programming. Users are deleted through the Master Programming Code only
- The Supervisory Code is User Location "03" for M800 and "02" for M801-M806 Technology. The Supervisory Code allows temporary lock out of selected users, changes duration of unlock time, requests infrared interrogation output, and may add additional User Codes.
- The Emergency Code is User Location "02" for M800 and can be assigned to locations "03-2000" for M801-M806 Technology. The Emergency Code cannot be locked out or disabled. Presentation of a valid credential by this user type will override any locked condition and will unlock the door, including User Lockout and Panic Lockdown states. Presentation of this user type also allows entry on a Access 800TM mortise controller if the deadbolt is thrown. This user type will unlock the door for the time specified in the Door Settings screen under "Lock Timer Extended Users".
- The User Codes are entered at user location "04" or higher for M800 and "03" or higher for M801-M806. User locations do not have to be used or entered sequentially.
- The "Lock Out" user is location dependent and will lock out all users beyond this location. To ensure that all users are locked out of the keypad, program this user at location "04" for M800 and "03 for M801-M806.
- The "Passage" user has precedence over all users except the "Panic" user. The lock must be toggled back into a locked state for other users to function.
- Remote Unlocking used for remote unlocking of Access 800 lock. For the Mortise Lock, when the deadbolt is thrown and the remote unlocking feature is used, both the latchbolt and deadbolt can be retracted by turning the lever handle.

To Begin Programming:

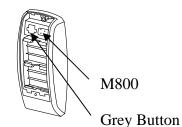
The Lock Controller is preset at the factory with Master Code "1234". It is strongly recommended that the Master Code be changed as the first programming step.

Entering 1234 * will unlock the lock allowing the lever handle to retract the latchbolt.

Initial Set-Up Procedures:

- The following are typical procedures to be used when setting up your Access 800 lock
- If a mistake is made during any of procedures, depress the "*" key several times until the yellow LED goes out
- If no keystroke is made in a 30 second time frame the programming up to that point will default and you will have to start over

To determine which programming steps to use for your lock see below:



- If your label has an M800, then use the programming below
- If your label has an M801, M803, M804, or M806, reference programming in Section 2
- If your label has a M802 or M805, AccesswareTM application Software must be used for programming. See Section 4

Section 1 - M800 Programming

To Change the Master Code

99# 1234* Yellow LED blinks
50# 01# Yellow LED blinks
New Master Code*

New Master Code*

New Master Code*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

This example uses the Factory Default 1234*, yours may differ.

It is strongly recommended not to use the factory default Master code.

To Enter the Emergency Code

99# Master Code* Yellow LED blinks 50# 02# Yellow LED blinks

Emergency (1-6 digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

Emergency Code defaults to a 10 second unlock time

To Enter the Supervisor Code

99# Master Code* Yellow LED blinks 50# 1# 03# Yellow LED blinks

Supervisory (1-6 digits)*

Supervisory (1-6 digits)*

Yellow LED blinks Quickly

Yellow LED blinks Slowly

Yellow LED goes out

Enter A User Code

99# Master Code or Supervisory Code* Yellow LED blinks 50# 1# (User Location 04-100)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

Enter A Passage (Maintained) Code

99# Master Code or Supervisory Code * Yellow LED blinks 50# 0# (User Location 04-100)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks Quickly
Yellow LED blinks slowly
Yellow LED goes out

Enter A One Time User Code

99# Master Code or Supervisory Code* Yellow LED blinks 50# 5# (User Location 04-100)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks Quickly

Yellow LED blinks slowly

Yellow LED goes out

Enter a Lock Out User Code

99# Master Code or Supervisor Code* Yellow LED blinks 50# 3# (User Location 04-100)# Yellow LED blinks

User Code* Yellow LED blinks quickly
User Code* Yellow LED blinks slowly
* Yellow LED goes out

Note: The "lock out" user is location dependent and will lock out all users beyond this location. To ensure that all users are locked out of the keypad, program this user at User Location "04".

To Enable/Disable A User

99# Master Code or Supervisory Code* Yellow LED blinks 56# 0# (Enable) (User Location 04-100)#

or 1# (Disable) (User Location 04-100)# Yellow LED blinks

Yellow LED blinks quickly
Yellow LED blinks slowly
Yellow LED goes out

To Delete A User

99# Master Code Yellow LED blinks 50# 0# (User Location 04-100)# Yellow LED blinks

Yellow LED blinks quickly
Yellow LED blinks slowly
Yellow LED goes out

To Set Unlock Time

99# Master Code or Supervisory Code* Yellow LED blinks
11# (1-99 sec)# 0# Yellow LED blinks

Yellow LED blinks quickly
Yellow LED blinks slowly
Yellow LED goes out

The Unlock Time is adjustable for Momentary Operation. A 5 second unlock time is recommended to extend battery life. Once the unlock time is entered, it is the same for ALL users except Emergency "02".

To Deactivate / Reactivate "Beep" With Key Stroke

99# Master Code or Supervisory Code* Yellow LED blinks 30# 0# (Off) or 1# (On) Yellow LED blinks

* Yellow LED blinks quickly
* Yellow LED blinks slowly
* Yellow LED goes out

To Program Door Name into Keypad

99# Master Code* Yellow LED blinks 43# Door Name (up to 5 digits)# Yellow LED blinks

0# Yellow LED blinks quickly

* Yellow LED blinks slowly

* Yellow LED goes out

To Interrogate Transaction Log

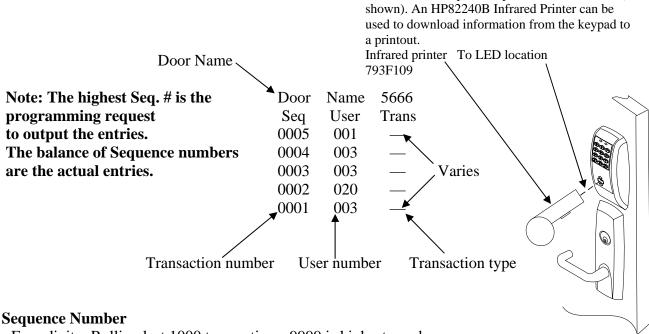
To output the last 1000 transactions:

99# Supervisory or Master Code* Yellow LED blinks 70# 0# 0# Yellow LED blinks

Yellow LED blinks quickly * Yellow LED goes out

When done printing, the green LED will turn off and the yellow LED will blink slowly.

Yellow LED goes out



- Four digit Rolling last 1000 transactions, 9999 is highest number
- Latest transaction Highest #, First to print
- Oldest transaction Lowest #, Last to print

User Location

• Three digits - 001 through 100 User numbers assigned at time of programming

Transaction Descriptions

• Will vary

Optional Equipment

Hold an infrared printer up to the infrared LED (as

- Printer Paper (6 Rolls 794F189) used for infrared printers
- Infrared Printer 793F109 used to download the user and transaction type.

To Reset / Clear Transaction Log

99# Master Code* Yellow LED blinks 76# 00000# 00000# Yellow LED blinks

Yellow LED blinks quickly
Yellow LED blinks slowly
Yellow LED goes out

To Clear the Entire Memory and restore Factory default settings

99# Master Code* Yellow LED blinks 46# 00000# 00000# Yellow LED blinks

* Yellow LED blinks quickly

* Yellow LED blinks rapidly, slowly when complete

* Yellow LED goes out

This deletes ALL Codes, including Master, Emergency and Supervisory. The Master Code is set back to 1234*.

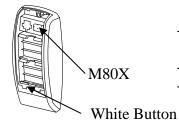
Door Number to 0001 and Unlock Time to 5 seconds. If the Master Code is not known, Factory Assistance will be required to clear the memory. Call 1-800-810-WIRE (9473)

Status Indicators

- No Green LED after code is entered once and 3 rapid beeps Invalid Code (Three attempts will lock out for 10 seconds with Yellow LED)
- 4 Long beeps after User code is entered Low Battery.
- 4 Long beeps after User code is entered, 4 more long beeps Voltage (batteries) to low to operate. Enter Master Code or Emergency Code to gain entry.
- 1 beep after User Code entered Disabled User
- 4 beeps after User Code entered Deadbolt Thrown (Mortise Lock Only)
- 3 beeps after User Code entered User Lockout

This completes the programming instructions for the Access800 TCAC2 M800.

To determine which programming steps to use for your lock see example below:



- If your label has an M801, M803, M804, M806, then use the programming below
- If your label has an M800, reference programming in Section 1
- If your label has an M802 or M805, Accessware TM application Software must be used for programming. See Section 4

Section 2 - M801, M803, M804, M806 Programming

Important

- Access800 TCAC2 controllers have replaced Access800 controllers for the M801, M802, M803, M804, M805 and M806 Options (first generation Access800 controllers for these options are no longer available).
- All Access800 Series Products are now ordered by entering TCAC2 in the Technology Code field in the order string when M801 M806 Options are selected.
- If your controller label does not have "TCAC2" refer to FM226 Keypad Programming Instructions.

>The keypad lock can support 2000 users. Each user is assigned a User Number in addition to the code used for entry.

>Accessware Version 2.0 applications software must be used with M802 & M805 (no keypad) controller for programming.

>The Master Code is always User "01". The Master Code assigns the Emergency and Supervisory Codes and is also used for programming. Users are deleted through the Master Programming Code only.

>Emergency code is a 10 second unlock time and will override a thrown deadbolt on a mortise lock.

>TCAC2 locks allow multiple Supervisory users, the *default Supervisory Code is User "02". Additional Supervisory users can be entered starting with User "03". The Supervisory Code allows temporary lock out of selected users, changes duration of unlock time, requests infared interrogation output, and may add additional User Codes.

>The User Codes are entered at user number "03" or higher. User numbers do not have to be used or entered sequentially.

Note: All User Codes must be followed by an asterisk (*).

>The "Lock Out" user is location dependent – all users above the chosen user number location are locked out of the keypad. To ensure that all users except Master, Supervisor, Emergency and Panic are locked out, program this user at user number location "03".

>The "Passage" user has precedence over all users except the "Panic" user. The lock must be toggled back into a locked state for other users to function.

To Begin Programming

The Lock Controller is preset at the factory with Master Code "1234".

Entering 1234* will unlock the lock allowing the lever handle to retract the latchbolt.

Note: The Master Code must be changed (i.e., "Forced Change") from the factory default "1234" prior to adding users.

Initial Set-Up Procedures

The following are typical procedures to be used when setting up your Access800 TCAC2 Lock Controller:

- If a mistake is made during any or the procedures, depress the "*" key several times until the yellow LED goes out
- If no keystroke is made in a 30 sec. timeframe, the programming up to that point will default and you will have to start over.

Change the Master Code

99# 1234* Yellow LED blinks 50# 1# 01# Yellow LED blinks

New Master Code*

New Master Code*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

This example uses the Factory Default 1234*, yours may differ.

Note: The Master Code must be changed (i.e., "Forced Change") prior to adding any other users.

Enter the Supervisor Code

99# Master Code*

Yellow LED blinks

Yellow LED blinks

Yellow LED blinks

Yellow LED blinks

Supervisor Code (1-6 Digits)*

Supervisor Code (1-6 Digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

Enter A User Code

99# Master Code* or Supervisor Code* Yellow LED blinks 50# 1# (User Location 03-2000)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

Enter A Panic User Code

99# Master Code* or Supervisor Code* Yellow LED blinks 50# 9# (User Location 03-2000)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

Enter A Passage (Maintained) Code

99# Master Code* or Supervisor Code* Yellow LED blinks 50# 0# (User Location 03-2000)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

Note: The "Passage" user has precedence over all users except the "Panic" user. The lock must toggled back into a locked state for other users to function.

To Enter the Emergency Code

99# Master Code* Yellow LED blinks 50# 7# (User Location 03-2000)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

Enter a Lock Out User Code

99# Master Code* or Supervisor Code* Yellow LED blinks 50# 3# (User Location 03-2000)# Yellow LED blinks

User Code* Yellow LED blinks quickly
User Code* Yellow LED blinks slowly
* Yellow LED goes out

Note: The "lock out" user is location dependent and will lock out all users beyond this location. To ensure that all users are locked out of the keypad, program this user at User Location "03".

Enter A One Time User Code

99# Master Code* or Supervisor Code*

50# 5# (User Location 03-2000)#

Yellow LED blinks

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED blinks slowly

Yellow LED goes out

Enter An Extended Unlock User Code

99# Master Code* Yellow LED blinks 50# 4# (User Location 03-2000)# Yellow LED blinks

User Code (1-6 digits)*

User Code (1-6 digits)*

Yellow LED blinks quickly

Yellow LED blinks slowly

Yellow LED goes out

To Activate The RF FOB Function

Note: Press and hold for 3 seconds the button on the RF FOB. If the controller beeps and the LEDs flash, the RF FOB function is already enabled and this procedure does not have to be completed. With the RF FOB function enabled the battery life of the unit will be reduced.

Press the white reset button located in the battery
compartment and any front keypad key at the same
time and hold for 1 second, then release buttons.

Enter code 1030#

Yellow LED blinks
Yellow LED blinks yellow LED blinks yellow LED blinks yellow LED blinks slowly
Yellow LED blinks slowly
Yellow LED goes out

Enter a Card, Tag, Fob and RF FOB User

99# Master Code* or Supervisor Code*
50# (See Table Below)# (User Location 03-2000)#

Yellow LED blinks
Yellow LED blinks quickly
Yellow LED blinks slowly
Present Card, Tag, FOB or RF FOB

BEEP / Yellow LED blinks
Yellow LED blinks slowly
Yellow LED blinks slowly
Yellow LED goes out

Enter a User Code and Card, Tag, FOB and RF FOB

99# Master Code* or Supervisor Code*
50# (See Table Below)# (User Location 03-2000)#
User Code (1-6 digits)*
User Code (1-6 digits)*
Present Card, Tag, FOB or RF FOB

*

Yellow LED blinks
Yellow LED blinks slowly
BEEP / Yellow LED blinks
Yellow LED blinks slowly
Yellow LED blinks slowly
Yellow LED blinks slowly
Yellow LED blinks slowly
Yellow LED goes out

User Type Table:

J I	
0	Passage User
1	Standard User
3	Lockout User
4	Extended Unlock User
5	One Time User
7	Emergency User
8	Communications Enable User
9	Panic User

Note 1: There is a time delay period between initially depressing the RF FOB button and the actuation of the lock. In some cases the RF FOB will have to be depressed (and held for 3 seconds) multiple times to successfully actuate the lock.

Note 2: In the event that there are co-located RF Technology locks using individual RF FOBs that are depressed simultaneously; the locks may not actuate due to cross interference between the locks and the RF FOBs. The "User" should repeatedly depress (and hold for 3 seconds) the RF FOB button until actuation of the lock occurs.

Turn OFF Audible Beep verification on every Key Depression

99# Master Code*

30# 0# (Off) (1# = On)

Yellow LED blinks

Yellow LED blinks quickly

Yellow LED blinks quickly

* Yellow LED blinks slowly

* Yellow LED goes out

Turn ON Yellow LED verification on every Key Depression

99# Master Code* Yellow LED blinks 30# 1# 1# (On) (0# = Off) Yellow LED blinks

Yellow LED blinks quickly
Yellow LED blinks slowly
Yellow LED goes out

Set Time

99# Master Code* Yellow LED blinks 41# hh:mm# (24hr Format) 0# Yellow LED blinks

Yellow LED blinks quickly
 Yellow LED blinks slowly
 Yellow LED goes out

24Hr Format => 1PM = 13:00, 2PM = 14:00......10PM = 22:00, Midnight = 00:00, 1:15PM = 13:15

Daylight Savings Time

99# Master Code* Yellow LED blinks 30# 13# 1# (On) (0# = Off) Yellow LED blinks

Yellow LED blinks quickly
Yellow LED blinks slowly
Yellow LED goes out

Set Date (Today's Date)

99# Master Code* Yellow LED blinks 42# mmddyy# D.O.W.# (Sunday=1) Yellow LED blinks

Yellow LED blinks quickly
Yellow LED blinks slowly
Yellow LED goes out

D.O.W. = Day of week

Set Unlock Time

99# Master Code* or Supervisor Code* Yellow LED blinks 11# (1-255 sec.)# 0# Yellow LED blinks

Yellow LED blinks quickly
 Yellow LED blinks slowly
 Yellow LED goes out

The Unlock Time is adjustable for momentary operation. A 5 second unlock time is recommended to extend battery life. Once the unlock time is entered, it is the same for ALL users except Extended Users.

To Enable/Disable A User

99# Master Code* or Supervisor Code* Yellow LED blinks

56# 0# (Enable) or 1# (Disable) (User No. 03-2000)#

Yellow LED blinks * Yellow LED blinks quickly * Yellow LED blinks slowly Yellow LED goes out

To Delete A User

99# Master Code* or Supervisor Code* Yellow LED blinks 50# 0# (User Number 03-2000)# Yellow LED blinks

Yellow LED blinks quickly * Yellow LED blinks slowly Yellow LED goes out

To Clear the Entire Memory

99# Master Code* Yellow LED blinks 46# 00000# 00000# Yellow LED blinks

Yellow LED blinks quickly

* Yellow LED blinks rapidly, slowly when complete

Yellow LED goes out

Status Indicators

• No Green LED after code is entered once and 3 rapid beeps, but flashes after 3 consecutive entries – Invalid Code

- 4 Long beeps after Standard code is entered Low Battery.
- 4 Long beeps after Standard code is entered, 4 more long beeps Voltage (batteries) to low to operate. Enter Master Code or Emergency Code to gain entry.
- 1 beep after User Code entered Disabled User
- 4 beeps after User Code entered Deadbolt Thrown (Mortise Lock Only)
- 3 beeps after User Code entered User Lockout
- Alternating Red/Green LED Awaiting second entry of Code and Card, Tag, or Fob User

Section 3 - Chain Programming

When programming multiple Users and Codes into the M800, M801, M803, M804 and M806 Lock, it is not necessary to leave and re-enter the programming Mode (50) for each entry. Multiple entries may be chained together and the three different types of user codes (Standard, Passage and One Time) may be mixed.

The format to be used is as follows where:

"T" is the Type of user code with "1" = Standard, "0" = Passage and "5" = One Time.

"UL_" is User Location (04-100 for M800 and 03-2000 for all others)

"UC_" is User Code (2 to 6 digits) which correlates with the User Location

99# Master or Supervisor Code* 50# Type# User Location a# User Code a* User Code a* Type# User Location b# User Code b* User Code b* T# ULc# UCc* UCc* T# ULd# UCd* UCd* T# UL # UC * UC **

An example with four user codes is shown below:

Type	User Location	User Code
1	05	875
3	12	2226
2	08	5444
1	48	3367

Using Master Code 4732 and above information, the lock would be programmed as follows: 99# 4732* 50# 1# 05# 875* 875* 3# 12# 2226* 2226* 2# 08# 5444* 5444* 1# 48# 3367* 3367*

If all user codes are the type 1, it is not necessary to enter the type number with each entry. The format now simplifies to:

99# Master or Supervisor Code* 50# User Location a# User Code a* User Code a* ULb# UCb* UCb* ULc# UCc* UCc* UL_# UC_* UC_**

An example with three user codes is shown below:

Type	User Location	User Code
1	07	77
1	15	67832
1	91	7568

Using Master Code 45988 and above information, the lock would be programmed as follows:

99# 45988* 07# 77* 77* 15# 67832* 67832* 91# 7568* 7568**

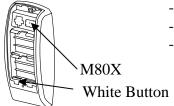
To chain the User Location delete procedure:

99# Master Code* User Location a#** ULb#** ULc#**...... UL #****

Using the information from the above example:

99# 45988* 07#** 15#** 91#****

To determine which programming steps to use for your lock see example below:



- If your label has a M802 or M805, then use the programming below
- If your label has a M800, reference programming in Section 1
- If your label has a M801, M803, M804, M806, reference programming in Section 2

Section 4 - M802 & M805 Programming

In a Prox Only M802 or RF Technology & Prox M805 configuration, all programming must be completed using Accessware TM Software. The Software includes a convenient Software User's Manual in .pdf format to be used as a programming guide. After settling up your system using the software, Hotsync to the PDA. Be sure to program a "Communications Enable" credential for future programming.

To program the lock for the first time or after memory is reset, the following steps are required.

- 1. Use Accessware TM software to set up your system and Hotsync door information to PDA.
- 2. Remove Battery Cover from inside of lock
- 3. On PDA select "Access HH", then "Imp/Exp" "Do **NOT** click OK at this point"

PDA Response: "Please enter your communications code at the door"

4. "Wake up" the M802 or M805 lock by presenting any HID Prox Credential or by depressing an RF FOB

Lock Response: Audible beep

- 5. Within a couple seconds press and hold the controller CommEnable push button (white button located in the battery compartment) for 2 seconds, then release the button.
- 6. On the PDA, click "OK"

The PDA will begin transferring (0-100%) of the door data to the lock.

If there was an error, check connections and repeat process starting at Step 3.

Note: The Credential will **NOT** actuate the lock for 45 seconds from the start of the downloading process. After this time expires, the Credential will function as defined by its User Type.

Reprogramming

Note 1: Using the proximity card, FOB, tag or RF FOB programmed as a "CommEnable" User, present the "CommEnable" credential to the lock to initiate communications after performing Step 3 (above) without the need to press the CommEnable button.

Supplemental - Individual "Door" Log Sheet for keypad programming

Lock Model:	
Door Name:	
Location:	

Table 1: Main Codes – User Programmed "Door" Log			
Function	User Location	Default Code	User Programmed Code
Master Code	01	1234*	
Supervisory Code	02		

^{*}Note: If memory is cleared, you must reprogram Emergency code. The Master code resets back to 1234*.

Jser Type	User Location	User Code	Card/Fob#, Notes

End of Keypad Programming Instructions