



# PROGRAMMING GUIDE

## E75 / E76 / E77 STAND ALONE ELECTRONIC LOCKSET



## (1) Pre - Initialization

To test lock operation before initialization,

- 1) Apply Power (Plug in the battery pack)       
- 2) Enter \*741.







This temporary code will unlock the lockset keypad for testing purposes. Once a lock initialization has been performed, this code is no longer active until a hardware reset is performed which will erase all the users and return the lockset keypad back into the uninitialized factory default condition.

## (2) Lock Initialization

When the lock is first installed or after a hard reset has been performed, the lockset keypad must be initialized and a lock ID must be entered before you will be allowed to enter programming mode. To initialize the lock :

**Press #9\*123456#4-digit Lock ID#**







The example below assigns a Lock ID of 0001. If Multiple locks are to be used with the E7 Management Software, each lock must have it's own *Unique* 4-digit Lock ID (0002, 0003 etc)

**EXAMPLE: Press #9\* 123456# 0001#**      

## Entering and Exiting Programming Mode

**IMPORTANT:** You must enter Programming Mode before performing any other programming function.

**Enter Programming Mode: #9# User No# User PIN#**

1) Press #9# 01# 123456#       then flashing amber while in programming mode.

User 01 is the administrator and has full programming rights. The default Administrator Pin code is 123456. It is recommended that the Admin Pin code be changed using the function 03 below. 20 seconds of inactivity will automatically return you from programming mode to operational mode.

**Exit Programming Mode: \*\*#**

**Press \*\*#**        

(NOTE: The lockset keypad will automatically exit programming mode after 20 seconds of inactivity.)

**Changing the Master PIN Code: 03# 01# PIN Code # Pin Code #**

Example: Press 03#   01#   987654#   987654#  

You have just Changed the Administrator Pin code to 987654  
The Administrator's PIN code must be 6 digits in length.

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## **Quick Start Programming Scenario**

All users are assigned to Group 06 (24/7 Access and enabled by default). Unlock Time = 3 seconds.

1. Enter Programming Mode, Page 1
2. Set Date – Function 30, Page 7
3. Set Time – Function 31, Page 7

*For Keypad ONLY users*

- 4a. Add Users – Function 01, Page 3 (Group No. = 06)

*For Proximity Card Reader users*

- 4b. Add Card User(s) – Function 06 or 07 or 08, Page 5
5. Exit Programming Mode, Page 1

After programming is complete, it is highly recommended that the Administrator PIN Code be changed, and stored in a secure location by the end-user. (Function 03, Page 1)

# User Programming

Each user must be assigned a 4 to 6 digit PIN code and assigned to one of the 32 available user groups. Group 06 by default has 24/7 access rights but no programming rights. User 01 is the administrator and has all programming and access rights. User 01 is the only administrator and is always assigned to Group 1. If users are to be assigned scheduled access (i.e. non 24/7 access), proceed to Group access scheduling on the next page, and then add users.

## Add a User: 01# User No.# PIN Code # Pin Code # Group No.#

Example: Press 01# 04# 5555# 5555# 06#

You have just added User #04 with a PIN of 5555.  
User 4 has also be assigned to group 06 (24/7 access).

User No = 2 to 4 digits (02-3000)  
PIN Code = 4 to 6 digits  
Group No. = 2 digits (02-32)

See the next page for an explanation of Group programming levels.

## Delete a User: 02# User No.#

Example: Press 02# 04#

You have just Deleted User #04. NOTE: User 01 cannot be deleted.

## Change a User PIN Code: 03# User No.# New PIN Code # New Pin Code #

Example: Press 03# 05# 1220# 1220#

You have just Changed User #05's Pin code to 1220  
The Administrator's PIN code must be 6 digits in length. All other PIN codes may be 4-6 digits in length

## Change a User Group: 04# User No.# New user Group

Example: Press 04# 05# 02#

You have just Changed User #05's group to Group 02.

## Enable a User (after disabling using Function 27): 26# User No.#

Example: Press 26# 04#

You have just re-enabled User #04 .

## Disable a User: 27# User No.#

Example: Press 27# 04#

You have just disabled User #04 . Use Function 26 to re-enable. NOTE: User 01 cannot be disabled.

Any user (except the Administrator) can be made a temporary user by assigning a temporary period start date and an end date. Once the temporary period has expired, the user is either deleted from the system or is set to disabled status. Disabled users can be enabled again by using function 26.

## Assign User as Temporary : 35# User Number# Start Date# End Date#

Example: Press 35# 08# 030113# 123113#

User 08 is set as a temporary user and will become active on 03/01/2013. On 12/31/2013 user 08 will either be disabled or deleted from the system.

User = 02-3000	MM = 2 digit Month
Start Date = MMDDYY	DD = 2 digit Day
End Date = MMDDYY	YY = 2 digit Year

## Delete Temporary Users when Expired: 28# Status #

Example 1: Press 28# 0#

Temporary users will be disabled but not deleted.  
NOTE: Disabled users may be re-enabled using Function 26 above.

Status = 0	Disable (default)
1	Delete

Example 2: Press 28# 1#

Temporary users will be deleted when expired.

# Group Programming

By default, group 06 is set for Access 24/7 and is automatically enabled. Groups 02 through 32 must have an access schedule or schedules (up to 3) assigned to them. A group that does not have at least one access schedule assigned to it will not be enabled.

4 levels of programming rights and authority are pre-assigned to user groups as follows:

- Group 01 = **Administrator:** Full Programming Rights ( User 1 is the only user in this group. )
- Group 02 = **Managers:** May perform programming functions 1-39.
- Groups 03-05 = **Supervisors:** May perform programming functions 01, 02, 04, 06, 07,& 08.
- Groups 06-32 = **Normal User:** *No programming rights.* Access granted upon proper PIN and group access.

## To Create an access group:

- 1) Set the Date & Time [Functions 30 & 31, respectively]
- 2) Create or edit an existing Access Schedule(s) [Function 34]
- 3) Assign an Access Schedule(s) to the group [Function 33]

## Create or Change Access Schedule: 34# Schedule No.# Days # Period Start Time# Period End Time#

Example: Press 34# 02# 8# 0700# 1600#

Access Schedule 02 will enable access Monday thru Friday between 7am and 4pm.

**Schedule No.** = 01-32

**Period Start Time** = HHMM (24hr format)

**Period End Time** = HHMM (24hr format)

**Days** = Day(s) of the week:

0 = no access

1 thru 7 = Days of the week [Mon=1 Tues=2 ..Sun=7]

8 = Monday thru Friday

9 = Saturday & Sunday

10 = All Days

11 = Override Holidays

## Assign Group Access Schedule: 33# Group No# Schedule No 1# Schedule No 2# Schedule No 3#

Up to 3 schedules may be assigned to a Group

Example: Press 33# 04# 08# # #

Access schedule 08 has been assigned to user group 04

**Schedule No.** = 01-32

As created using Function 34 above.

## Enable a Group (after disabling using Function 25): 24# Group No.#

Example: Press 24# 02#

You have just enabled user group #02 .

**Group No.** = 02-32

## Disable a Group: 25# Group No.#

Example: Press 25# 02#

You have just disabled user group #02.

**Group No.** = 02-32

## 2 User Codes Required for Entry: 40# Status #

Example 1: Press 40# 0#

One user code required for entry.

**Status** = 0 One user (default)

= 1 Any two users

= 2 Two users (one must have Supervisor rights or better)

Example 2: Press 40# 1#

Two user codes required for entry.

# Access Card Programming (Prox Units Only)

New card users will automatically be assigned to Group 6 and no PIN. Group 06 (by default) has 24/7 access rights but no programming rights. PIN codes may be added to Card only users using Function 03 below. You may also add a card to an already existing PIN Only user. The card will have the same access rights as the existing PIN code. User 01 cannot be assigned a card. User access rights may be changed individually using Function 04 below, or on a Group basis using Function 34 on the previous page.


## Add or Change a User Card: 06# User No.# Present Card #

Example: Press 06#  04#  Present Card #   

You have just added a card as User #4.

User 4 has been assigned to group 06 (24/7 access).





## Delete a Card: 02# User No.#

Example: Press 02#  04#  

You have just Deleted User #04

## Batch Enroll Cards (Non Sequential Cards): 07 # 1<sup>st</sup> User No.#

### Total Number of cards to Add# Present 1<sup>st</sup> Card , 2<sup>nd</sup> Card ,..... Last card#

Example: Press 07#  05#  03#  Present 1<sup>st</sup> Card  2<sup>nd</sup> Card  3<sup>rd</sup> Card  

You have just enrolled the 3 presented cards. They are users 05,06 & 07.

All of the cards were assigned to group 06 (24/7 access).

## Batch Enroll (Sequential Cards): 08# Starting User No.# No. of Cards #Present 1st Card

Example: Press 08#  05#  06#  Present 1<sup>st</sup> Card  

You have just enrolled a 6 sequentially numbered cards. They are users 05 thru 10.

All of the cards were assigned to group 06 (24/7 access).

No. of Cards = 01-50

Maximum is 50 cards at a time.

## Add/Change a User PIN Code: 03# User No.# New PIN Code # New Pin Code #

Example: Press 03#  05#  1220#  1220#  

You have just Changed User #05's Pin code to 1220




PIN codes may be 4-6 digits in length

## Change a User Group: 04# User No.# New user Group

Example: Press 04#  05#  02#  

You have just Changed User #05's group to Group 02.

## Set Entry Mode: 05# Status #




Example 1: Press 05#  1#  

Access is by PIN or Card.

Status = 1 PIN or Card (default)

2 Card Only

3 PIN + Card

Example 2: Press 05#  3#  

Access is by PIN + Card

# Manual Passage Programming

The lockset keypad can be programmed to automatically unlock for a preset period of time allowing free egress and ingress without using a PIN . This is called the passage mode. Once a schedule has been programmed , the lockset keypad will continue to follow the schedule indefinitely until the schedule is cleared. The schedule can be temporarily overridden using function 22 or 23.

## Set Passage Schedule: 32# Days # Unlock Time# Lock Time#

Example: Press 32# 8# 0700# 1600#

The lockset keypad will automatically unlock Monday thru Friday between 7am and 4pm.

Example: Press 32# 0#

The Passage Schedule has been cleared.

**Unlock Time** = HHMM (24hr format)

**Lock Time** = HHMM (24hr format)

**Days** = Day(s) of the week:

0 = Clear passage schedule

1 thru 7 = Days of the week [Mon=1 Tues=2 ..Sun=7]

8 = Monday thru Friday

9 = Saturday & Sunday

10 = All Days

## Manual Unlock (Override): 22# Unlock Period (Hours)#

Example: Press 22# 02#

The door will remain unlocked for 2 hours, overriding the passage schedule (Function 32).

**Unlock Period** = HH (24hr format)

## Manual Lock (Override): 23#

Example: Press 23#

The lockset keypad will immediately lock overriding the passage schedule. Normal passage schedule will resume the next day.

## First Supervisor to Arrive: 38# Status #

Example 1: Press 38# 0#

All schedules operate normally.

**Status** = 0 Disable (default)

1 Enabled

Example 2: Press 38# 1#

Normal users (Group 6-32) and passage schedules will be delayed until a supervisor/manager (Groups 1-5) has accessed the lockset keypad.

## User Lockout: 29# Status #

When enabled, access for users in groups 03-32 are blocked. Only users in Group 1 & 2 have programming rights to access this function.

Example 1: Press 29# 0#

Access is normal per group schedules.

**Status** = 0 Disable (default)

1 Enabled

Example 2: Press 29# 1#

Access for users in groups 03-32 are blocked.

## Clear all Programming : 99# 000000 #

Example 1: Press 99# 000000 #

All user codes and programming is erased and all functions are set to factory defaults.

# Time And Date Settings

## Set the Date: 30# MMDDYY#

Example: Press 30# 011513 # **MM** = 2 digit Month  
The date is set for January 15<sup>th</sup> 2013 **DD** = 2 digit Day  
**YY** = 2 digit Year

## Set the Time: 31# HH MM#

Example: Press 31# 1320 # **HH** = Hours (24hr format)  
The time is now set to 1:20 PM. **MM** = Minutes (24hr format)

## Set Daylight Savings Time (DST): 36# Start Date# End Date#

Example: Press 36# 0310# 1103#   
Daylight Savings Time has been set to start on March 10<sup>th</sup> and end on November 3<sup>rd</sup> of the current year.

**Start Date** = MMDD **MM** = 2 digit Month  
**End Date** = MMDD **DD** = 2 digit Day

## Enable Daylight Savings Time: 37# Status #

Example 1: Press 37# 0#   
Daylight Savings Time will not start/end on the programmed dates

**Status** = 0 Disable (default)  
1 Enabled

Example 2: Press 37# 1#   
Daylight Savings Time will start/end at 2am on the programmed dates.

## Set Holidays: 39# Holiday No. # MMDD#

Groups 02-32 will be blocked from having access on these days unless holiday is overridden within the group schedule.

Example 1: Press 39# 06# 1225#   
Holiday 06 is set for Dec 25<sup>th</sup>.

**Holiday No** = 1-32, 33= Clear All Holidays  
**MMDD** = Date **MM** = 2 digit Month  
**DD** = 2 digit Day

Example 2: Press 39# 33#   
All holidays are cleared.

# Alarm Settings

## Enable Forced Door Alarm: 45# Status #

**Status** = 0 Disabled (default)  
1 Enabled

Example 1: Press 45# 1#

Forced Door Alarm is enabled. Also requires Function 43 be enabled. On activation, the auxiliary relay will activate until a valid user code or card is presented.

## Enable Door Prop Alarm: 46# Status #

**Status** = 0 Disabled (default)  
1 Enabled

Example 1: Press 46# 1#

Door Prop Alarm is enabled. Also requires Function 43 be enabled. On activation, the auxiliary relay will activate until the door closes.

## Enable Local Alarm on Forced Door/Door Prop: 48# Status #

**Status** = 0 Disabled (default)  
1 Enabled







Example 1: Press 48# 1#

The lockset keypad will beep upon a forced door or door prop condition until the condition is cleared.









# Timer Settings







## Set Unlock Timer: 21# Seconds#

Example: Press 21#   03 #     Seconds = 01-100  
Unlock timer is set for 03 seconds. (default)







## Set Door Prop Timer: 47# Seconds#

Example: Press 47#   20 #     Seconds = 10-255  
Door Prop timer is set for 20 seconds. (default)







## Set Anti-Pass back Timer: 63# Seconds#

Example: Press 63#   20 #     Seconds = 0-100 (0 sec= off [default])  
Anti-Pascack timer is set for 20 seconds. User must wait 20 seconds before using the same PIN or card will grant access.

## Set Keypad Lockout Timer: 61# Seconds#

Example: Press 61#   10 #     Seconds = 10-255 (10 sec = default)  
Keypad Lockout timer is set for 10 seconds. Access will be denied for 10 seconds after the number of unsuccessful code attempts (as defined by Function 60) have been made.

## Keypad Lockout Attempts : 60# Attempts#







Example: Press 60#   06 #     Attempts = 1-9 (3 attempts = default)  
After 6 unsuccessful code attempts, The lockset keypad will shut down and access will be denied for the duration of the keypad lockout timer (function 61)

# Remote Input Configuration

## Remote Input Enable: 41# Status #



Example 1: Press 41#   1#      
Remote Input is Enabled. Status = 0 Disabled (default)  
1 Enabled

## Remote Input Configuration: 42# Status #

Example 1: Press 42#   2#      
A *Maintained* input puts the lockset keypad in Lockout Mode. Status = 0 Momentary input unlocks (default).  
1 Momentary input toggles the lock (lock/unlock).  
2 Maintained input activates User Lockout Mode (Same as Function 29)

# Bluetooth Communications (Model E75PS Only)

## Bluetooth Enabled: 80#

Example: Press 80#   then right LED flashes blue.  
Bluetooth Communication is enabled. It remains enabled for 2 minutes after the last communication activity.







## Bluetooth disabled (while right led flashes blue): Press \*

Example: Press \*      
Lock will return to Programming mode.

## Door Status Input Configuration

### Door Status Input Enable: 43# Status #







Status = 0 Disabled (default)  
1 Enabled

Example 1: Press 43#   1#    

The Door Status Input is Enabled. Required for Forced Door & Door Prop alarm monitoring.

### Door Status Input Configuration: 44# Status #

Status = 0 Normally Closed (N/C) (default).  
1 Normally Open (N/O)







Example 1: Press 44#   1#    

The polarity of the door contact is open when the door is closed.

## Panic Alarm Configuration

### Enable Duress Alarm: 50# Status #

Status = 0 Disabled (default)  
1 Enabled







Example 1: Press 50#   1#    

Duress Alarm is enabled. Pressing 99 \* User PIN # or (99\* + card) will unlock the door & momentarily trigger the auxiliary relay.

## Auxiliary Relay Configuration

### Enable Aux Relay on Keypad Lockout : 51# Status #







Status = 0 Disabled (default)  
1 Enabled

Example 1: Press 51#   1#    

The Aux relay will momentarily activate when the lockset keypad has entered the Keypad Lockout Mode.

### Enable Aux Relay on Access Granted : 52# Status #







Status = 0 Disabled (default)  
1 Enabled

Example 1: Press 52#   1#    

The Aux relay will momentarily activate when the lockset keypad has been unlocked by an authorized PIN Code or card.

### Enable Aux Relay on 1<sup>st</sup> Key Pressed : 53# Status #

Status = 0 Disabled (default)  
1 Enabled







Example 1: Press 53#   1#    

The Aux relay will momentarily activate when the lockset keypad is initially pressed after being in standby mode.

## Keypad Sound Configuration

### Beep on Keypress : 62# Status #

Status = 0 Disabled  
1 Enabled (default)

Example 1: Press 62#   1#    

When entering a PIN code, the lockset keypad will beep each time you a key is pressed. (NOTE: If this function is disabled, the keypad will still beep while in programming mode.)

# Returning the lockset keypad to Factory Defaults

## Clear all Programming : 99# 000000 #

Example 1: Press 99#   000000 #    

All user codes, groups, schedules, lock parameters, and audit trail information is set to factory defaults. The lock ID & Administrative PIN are not affected.

## Hardware Reset to Factory Settings

A hardware reset will erase all the data and return the lockset keypad back into the uninitialized factory default condition.

- 1) Remove power (Unplug the battery pack) and wait approximately 10 seconds.
- 2) Short and hold the 2 Brn reset wires together
- 3) Apply power. (Plug in the battery pack)



The LED will momentarily turn solid RED while data is cleared, and then flash Red/Grn completing the initialization process. When reset is complete, you will here 3 beeps.

- 4) Remove power (Unplug the battery pack)
- 5) Disconnect and insulate the Brn Reset wires.
- 6) Follow the Pre-Initialization & Lock Initialization procedures on Page 1.

## Features:

- **Number of Users:** Up to 3,000 access codes per door. (Up to 32 users may be temporary users)
- **Flexible Programming:** May be programmed at the lock keypad or by Management Software via the wireless link.
- **Passage Mode Options:**
  - First manager in (or privileged user)
  - Automatically according to access schedules
  - Manually toggled on / off at lock
- **Scheduling Options:**
  - User Access Schedules—Up to 32 different access schedules may be programmed into lock
  - Access Groups – Up to 32 different access groups
  - Holiday/Vacation—Up to 32 different holiday/vacation blocks may be programmed into lock
- **Authority Levels:** Different levels allow you to control who has access to specific lock functions, includes:
  - Administrator Level—performs all set-up and programming functions
  - Manager Level—may perform most programming functions
  - Supervisor Level—administers common programming functions
  - Normal Access User Level—entry granted with valid PIN
- **Anti-tamper lockout:** Adjustable invalid attempts with an adjustable lockout period of up to 255 seconds
- **Low Battery Notification**