Visual Feedback Message Definitions

Condition	Parameters			
	Green LED	Red LED	Duration	Rate
Valid pushbutton pressed	ON	OFF	1/10 sec	Once
Timeout expired	OFF	ON	1 sec	Once
Valid access credential entered/presented	ON	OFF	1/10 sec	Once
Access granted	ON	OFF	1/10 sec	1 sec
Access granted (battery low condition)	ON	ON	1/10 sec	1 sec
Access denied	OFF	ON	1 sec	Once
Valid programming entry	ON	OFF	1 sec	Once
Invalid programming entry (including duplicate access credential)	OFF	ON	1 sec	Once
Tamper shutdown beginning	OFF	ON	2 sec	Once
Tamper shutdown state	OFF	ON	1 sec	10 sec
Tamper shutdown ending	ON	OFF	2 sec	Once
*Communication starting	ON	OFF	1 sec	Once
*Communication ending	ON	OFF	1 sec	Once
*Communication aborted	OFF	ON	1 sec	Once
*Communication in progress	ON (Alternate)	ON (Alternate)	1/10 sec	1 sec; till end of communication with M-unit PDA
Deadbolt/Thumbturn Privacy Activated	OFF	On	1 sec.	Once
Deadbolt/Thumbturn Privacy De-Activated	On	OFF	1 sec.	Once
Hard reset sequence	On (Alternate)	On (Alternate)	1/2 sec.	Continuously
Hard reset sequence ended successfully	On	OFF	2 sec.	Once
Hard Reset sequence failed	OFF	On	2 sec.	Once

*When used with the E-Plex Maintenance Unit (M-Unit) handheld and software only.

For Wireless Locks only:

Condition	Parameters			
	Green LED	Red LED	Duration	Rate
Invalid ZAC Entry	OFF	ON	1 sec.	Once
ZAC sequence in progress	ON	ON	1/2 sec.	1 sec.
ZAC sequence successful	ON	OFF	1 sec.	Once
ZAC sequence failed	OFF	ON	1 sec.	Once

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To begin, put lock in programming mode by pressing: #Master Code#

Summary of LearnLok Pushbutton Programming Commands

Name	Command	Description of Command	Authorization
Configure	000 # MMMMMMMM# MMMMMMMM#	'Modify Master User Access Credential (locks' activation)' (Always 8 digits)	Master, Mgr
	001 # MMDDYY# MMDDYY#	'Date setup' (MM = 01 to 12; DD = 01 to 31; YY = 00 to 99)	Master
	002 # HHMM# HHMM#	'Time setup' (HH = 00 to 23; MM = 00 to 59)	Master
	004 # TT#	'Unlock time setup' (TT = 02 to 20 seconds)	Master, Mgr
	005 # TT#	'Passage Mode Timeout setup' (TT = 01 to 24 hours - duration time in hours; 00 = no time limit)	Master, Mgr
	006 # TT#	'Tamper time setup' (TT = 00 to 90 seconds)	Master, Mgr
	007 # TT#	'Tamper wrong try setup' (TT = 03 to 09)	Master, Mgr
	008 # VV#	'Buzzer volume control' (VV = 00 to 03; 00 = off; 01 = Low; 02 = Normal; 03 = High)	Master, Mgr
	009 # LL#	'Modify access length' (LL = 04 to 08 digits)	Master
	099 #	'Reset to factory default values', except access PIN length. (Master, Managers, all other users and time/date are retained if already programmed; Users are not reset)	Master

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BEYOND SECURITY

Name	Command	Description of Command	Authorization
Add/ Modify Users	100 # NNN# Card only: Present Card & then # PIN & Card: Present Card (no # after) UUUU (UUUU) # UUUU(UUUU) #	'Add/Modify User Access Credential' NNN = specific User ID location (001 to 300) UUUU(UUUU) = PIN length which can be 4 to 8 digits, depending on global PIN length setting	Master, Mgr,
	101 # NNN# Card only: Present Card & then # PIN & Card: Present Card (no # after) UUUU (UUUU) # UUUU(UUUU) #	'Add/Modify Manager Access Credential' NNN = specific User ID location (001 to 300) UUUU(UUUU) = PIN length which can be 4 to 8 digits	Master
	102 # NNN# PIN only: UUUU (UUUU) # UUUU(UUUU) # HH #	'Add/Modify Service User Access Credential' NNN = specific User ID location (001 to 300); HH = 01 to 96 hours duration time in hours; 00 = one-time entry; 99 = no expiry; UUUU(UUUU) = PIN length which can be 4 to 8 digits	Master, Mgr,
Delete Users	200 # NNN#	'Delete User Access Credential'	Master, Mgr,
	201 # NNN#	'Delete Manager Access Credential'	Master
	202 # NNN#	'Delete Service User Access Credential'	Master, Mgr,
	299 #	'Delete all User Access Credential' (except Master and Manager Users)	Master, Mgr,
Activate Users	300 # NNN#	'Activate User Access Credential' NNN = specific User ID location (001 to 300)	Master, Mgr,
	301 # NNN#	'Activate Manager Access Credential' NNN = specific User ID location (001 to 300)	Master
	302 # NNN#	'Activate Service User Access Credential' NNN = specific User ID location (001 to 300)	Master, Mgr,

Name	Command	Description of Command	Authorization
Activate Users (continued)	398 #	'Activate all User Credentials' (except Master and Manager Users)	Master, Mgr.
	399 # P#	'Activate/De-Activate Passage Mode' (P = 0 or 1; 0 = disable Passage Mode; 1 = enable Passage Mode)	Master, Mgr.
De-Activate Users	400 # NNN#	'De-Activate User Access Credential' NNN = specific User ID location (001 to 300)	Master, Mgr.
	401 # NNN#	'De-Activate Manager Access Credential' NNN = specific User ID location (001 to 300)	Master
	402 # NNN#	'De-Activate Service User Access Credential' NNN = specific User ID location (001 to 300)	Master, Mgr.
	498 #	'De-Activate all User Credentials' (except Master and Manager Users)	Master, Mgr.
	499 # L#	'Activate/De-Activate Lockout Mode' (only Master can have access during Lockout (L = 0 to 1; 0 = disable Lockout Mode; 1 = enable Lockout Mode)	Master
Diagnostics	500 # 1234567890*#	'Manual diagnostics'	Master, Mgr.
	501 #	Identify if the lock is E-Plex 57xx/37xx; E-Plex 56xx/36xx LearnLok (LL), or Full Featured (FF) with software; E57xx/37xx: LL mode = 7 flashes, 1 sec., pause and 1 flash; FF mode = 7 flashes E56xx/36xx: LL mode = 6 flashes, 1 sec., pause and flash; FF mode = 6 flashes	Master, Mgr.
*Communication Startup (when used with software only)	900 #	'Communications startup'	Master, Mgr.

For Wireless Locks Only

Name	Command	Description of Command	Authorization
ZAC (Zigbee Access Code)	088#	Initialize a wireless lock (lock must be in factory default mode)	Master, All Users
Emergency Lockdown	911#	Put wireless lock(s) in emergency shutdown (lockdown) state	Master, Mgr, Authorized Users
Passage	811#	Put wireless lock(s) in emergency evacuation (passage) state	Master, Mgr, Authorized Users
Return to Normal from Emergency	111#	Put wireless lock(s) back to the Normal state from emergency state	Master, Mgr,