

Factory Default Values For All Functions Are Shown In Brackets []. Valid Ranges Are Shown Inside { }.

USER LEVEL PROGRAMMING

User Authorization Codes. Use any four digits (0-9). Digits may repeat.	001 MASTER USER AUTHORIZATION CODE [1245] _____ program four digits for maximum security.		
	002 USER CODE 2 [FFFF] _____		
	003 USER CODE 3 [FFFF] _____	005 USER CODE 5 [FFFF] _____	
	004 USER CODE 4 [FFFF] _____	006 USER CODE 6 [FFFF] _____	
"F's" indicate the code is deleted. USER CODE 1= Master User Authorization Code.			
Counters, Timers, and Special Use Functions	007 USAGE COUNT CODE 06 [255] _____ {1-254, 255=permanent}	016 BURG CUTOFF TIME IN MIN. [10] _____**	
	008 TIME UNTIL NEXT COMMUNICATOR TEST {0-24} _____	017 AUX "A" CUTOFF TIME IN MIN. [255] _____**	
	009 CLEAR ALARM MEMORY {no value required}	018 AUX "B" CUTOFF TIME IN MIN. [10] _____**	
	010 DELETE CODES {1-6, 0 will delete the installer code}	019 AUX "C" CUTOFF TIME IN MIN. [10] _____**	
	011 ENTRANCE 1 TIME IN SEC. [30] _____ {1-255}	* {0-255} ** {1-254, 0 or 255 = Never cutoff}	
	012 ENTRANCE 2 TIME IN SEC. [46] _____ {1-255}	020 TIME BETWEEN COMM. TEST [1] _____	
	013 EXIT TIME IN SECONDS [60] _____ {1-255}	{0-7, 0 = 12 hours, 1-7 = 1 to 7 days}	
	014 ACCESS TIME IN SECONDS [5] _____ {0-255, 0 = LATCH}	021-032 EXITS TO PROGRAMMING ENTRY	
	015 DELAY BURG OUTPUT IN SEC. [0] _____*	033 BEGIN UPLOAD DATA {no value required}	

INSTALLER LEVEL PROGRAMMING

Configuration Digits for User Codes 1 - 6 (0-15) Refer to Table 6	034 CODE 1 [3] _____	037 CODE 4 [3] _____	040 EXITS TO PROGRAMMING ENTRY MODE
	035 CODE 2 [3] _____	038 CODE 5 [3] _____	
	036 CODE 3 [3] _____	039 CODE 6 [3] _____	
Zone Definitions [1-255]	041 ZONE 1 [64] _____	044 ZONE 4 [65] _____	
	042 ZONE 2 [72] _____	045 ZONE 5 [65] _____	(Refer to the Zone Planning Guide)
	043 ZONE 3 [81] _____	046 ZONE 6 [65] _____	
Digital Communicator Setup	047 COMMUNICATOR DISABLE/DELAY IN SECONDS [0] _____ {0-255, 0 disables communicator}		
	048 DIAL ATTEMPTS BEFORE SHUTDOWN TELEPHONE NUMBER 1* [8] _____ {1-15}	Note: Odd value (1, 3, etc.) will disable the fail to communicate warning.	
	049 DIAL ATTEMPTS BEFORE SHUTDOWN TELEPHONE NUMBER 2* [8] _____ {1-15}		
	050 DUAL REPORTING OF ALARMS [0] _____ {0=N 1=Y}		
	051 DUAL REPORTING OF NON-ALARMS [0] _____ {0=N 1=Y}		
	052 COMMUNICATOR ON-HOOK TIME IN SECONDS [3] _____ {0-255}	* U.L. requires 5 dial attempts minimum, 10 maximum. An even value (6 or 8) shall be selected to enable the Fail to Communicate.	
	053 TIME BETWEEN DIAL ATTEMPTS IN SECONDS [10] _____ {0-15}		
	054 ABORT COMMUNICATOR UPON DISARMING [0] _____ {0=N 1=Y}		
	055 DISABLE DIALER TEST ON POWER-UP [0] _____ {0=N 1=Y}		
	056 EXCEPTION OPENING/SYSTEM RESTORE [0] _____ {0=N 1=Y}		
Account Number Telephone Number 1 (0-15)	057 DIGIT 1 [0] _____ (See note)	058 DIGIT 2 [8] _____	059 DIGIT 3 [8] _____ 060 DIGIT 4 [8] _____
	Note: Digit 1 MUST ALWAYS be "0" unless 4/2 format is enabled (Function 63). A "0" signifies no entry. To report the number "0", a "10" must be programmed. TRANSPORT-PC and some receivers translate numbers 10,11,12,13,14,15 to hexadecimal characters A,B,C,D,E,F, respectively.		
Reporting Formats for Telephone Number 1 (0-15)	061 TRANSMISSION FORMAT [2] <u>3</u> {0-7}	065 EXTENDED SINGLE LINE [0] <u>1</u> {0=N 1=Y}	
	062 SINGLE ROUND REPORT [0] _____ {0=N 1=Y}	066 PARITY CHECKSUM [0] _____ {0=N 1=Y}	
	063 4/2 TRANSMISSION FORMAT [0] <u>1</u> {0=N 1=Y}	067 TOUCHTONE DIALING [0] <u>1</u> {0=N 1=Y}	
	064 EXTENDED STANDARD [0] _____ {0=N 1=Y}		

**NOTE: Refer to Section 5 for U.L.
Listed System requirements**

Edited by Foxit Reader 1=panic, 3 = fire, 5 = burg, 7 = tamper
Copyright(C) by Foxit Software Company,2005-2006
For Evaluation Only.

Reporting Codes Telephone 1 (Range 0-15)	068 ZONE 1	[3] _____	076 KP PANIC "C"	[4] <u>1</u>	084 LOW BATTERY	[0] <u>6</u>
	069 ZONE 2	[3] _____	077 DURESS	[0] _____	085 BATTERY RESTORE	[0] <u>2</u>
	070 ZONE 3	[3] _____	078 OPENING	[0] <u>11</u>	086 AC FAILURE	[0] <u>6</u>
	071 ZONE 4	[3] _____	079 CLOSING	[0] <u>12</u>	087 AC RESTORE	[0] <u>2</u>
	072 ZONE 5	[3] _____	080 SHUNTED ZONE	[0] _____	088 MEMORY ERROR	[0] _____
	073 ZONE 6	[3] _____	081 CANCEL	[0] _____	089 AUTO TEST	[0] <u>8</u>
	074 KP PANIC "A"	[1] <u>1</u>	082 ZONE RESTORE	[0] _____		
	075 KP PANIC "B"	[2] <u>3</u>	083 SUPERVISORY/TB	[0] _____		

Number To Dial Telephone 1 (0-15) Defaults are [15]	090 D1	091 D2	092 D3	093 D4	094 D5	095 D6	096 D7	097 D8
	098 D9	099 D10	100 D11	101 D12	102 D13	103 D14	104 D15	105 D16
NOTE: A 0 or 10 = dialing number "0", 11 and 12 = Touchtone "*" and "#", 13 = three second dialing pause, 14 = additional wait for dial tone, 15 = end of dialing and MUST be programmed after the last valid number.								

Special Functions	106 AUDIO LISTEN-IN CAPABILITY TELEPHONE NUMBER 1	[0] _____ {0=N 1=Y}
	107 EXITS TO PROGRAMMING ENTRY MODE	
	108 COPY TEL. 1 ACCOUNT, FORMAT AND REPORTING CODES TO TEL. 2	{no value required}
	109 COPY TEL. 1. DIALED NUMBER TO TEL. 2	{no value required}

Account Number Telephone 2(0-15)	110 DIGIT 1	[0] _____ (See note)	111 DIGIT 2	[8] _____	112 DIGIT 3	[8] _____	113 DIGIT 4	[8] _____
	Note: Digit 1 MUST ALWAYS be "0" unless 4/2 format is enabled (Function 114). A "0" signifies no entry. To report the number "0", a "10" must be programmed. TRANSPORT-PC and some receivers translate numbers 10,11,12,13,14,15 to hexadecimal characters A,B,C,D,E,F, respectively.							

Reporting Formats Telephone 2	114 TRANSMISSION FORMAT	[0] <u>3</u> {0-7}	118 EXTENDED SINGLE LINE	[0] <u>1</u> {0=N 1=Y}
	115 SINGLE ROUND REPORT	[0] _____ {0=N 1=Y}	119 PARITY CHECKSUM	[0] _____ {0=N 1=Y}
	116 4/2 TRANSMISSION FORMAT	[0] <u>1</u> {0=N 1=Y}	120 TOUCHTONE DIALING	[0] <u>1</u> {0=N 1=Y}
	117 EXTENDED STANDARD	[0] _____ {0=N 1=Y}		

Reporting Codes Telephone 2 (Range 0-15)	121 ZONE 1	[3] _____	129 KP PANIC "C"	[4] _____	137 LOW BATTERY	[0] _____
	122 ZONE 2	[3] _____	130 DURESS	[0] _____	138 BATTERY RESTORE	[0] _____
	123 ZONE 3	[3] _____	131 OPENING	[0] _____	139 AC FAILURE	[0] _____
	124 ZONE 4	[3] _____	132 CLOSING	[0] _____	140 AC RESTORE	[0] _____
	125 ZONE 5	[3] _____	133 SHUNTED ZONE	[0] _____	141 MEMORY ERROR	[0] _____
	126 ZONE 6	[3] _____	134 CANCEL	[0] _____	142 AUTO TEST	[0] _____
	127 KP PANIC "A"	[1] _____	135 ZONE RESTORE	[0] _____		
	128 KP PANIC "B"	[2] _____	136 SUPERVISORY/TB	[0] _____		

Number To Dial Telephone 2(0-15) Defaults are [15]	143 D1	144 D2	145 D3	146 D4	147 D5	148 D6	149 D7	150 D8
	151 D9	152 D10	153 D11	154 D12	155 D13	156 D14	157 D15	158 D16
NOTE: Program these Functions in the same manner as Functions 090 - 105								

Special Functions	159 AUDIO LISTEN-IN CAPABILITY TELEPHONE NUMBER 2	[0] _____ {0=N 1=Y}
	160 NUMBER OF RINGS UNTIL COMMUNICATOR AUTOMATICALLY ANSWERS	[0] _____ {0-15}

Upload/Download Callback Phone Number To Dial (0-15) Defaults are [15]	161 D1	162 D2	163 D3	164 D4	165 D5	166 D6	167 D7	168 D8
	169 D9	170 D10	171 D11	172 D12	173 D13	174 D14	175 D15	176 D16
NOTE: Program these Functions in the same manner as Functions 090 - 105								

NOTE: Refer to Section 5 for U.L. Listed System requirements

Control Options All except #181 are Yes/No format {0=No, 1=Yes}	177 TWO DIGIT ARMING *	[0] ____	185 KEYSWITCH MODE CHANGE	[0] ____
	178 ENABLE FORCE ARMING *	[0] ____	186 SUPERVISORY/DAY ALERT LATCH	[0] ____
	179 PERMANENT FORCE ARMING (SHUNT) *	[0] ____	187 AUTOMATIC INTERIOR OFF	[0] ____
	180 DELAY BURGLAR RESTORE UNTIL CUTOFF	[0] ____	188 EXTEND BA LOOP STABILIZATION	[0] ____
	181 BURGLAR ALARM REPORTS UNTIL LOCKOUT {0-15, 0=No communicator lockout}	[0] ____	189 DISABLE INTERIOR FOLLOWER	[0] ____
	182 PULSING BURGLAR ALARM OUTPUT **	[0] ____	190 INTERIOR ON/OFF AVAIL. IF ARMED	[0] ____
	183 PULSING AUXILIARY "A"(FIRE ff) OUTPUT***	[1] ____	191 DELAY OFF WHEN INTERIOR OFF	[0] ____
Control Station Options {0=No, 1=Yes}	184 BURGLAR LOOP AUDIBLE LOCKOUT	[0] ____	192 SIREN/BELL TEST UPON ARMING	[0] ____
			193 RESET TEST TIMER ON KISSOFF	[0] ____
			194 INTERIOR DEFAULT UPON DISARM	[0] ____
Zone Supervisory/	195 DISABLE KEYPAD SHUNTING	[0] ____	199 DISABLE KEY 8 WALK TEST	[0] ____
	196 DISABLE KEY 4 INTERIOR ON/OFF	[0] ____	200 SILENT KEYPAD ON BURGLAR	[0] ____
	197 DISABLE KEY 6 CHIME ON/OFF	[0] ____	201 SILENT KEYPAD/NO LED BLINK ON AUX "B"	[0] ____
	198 DISABLE KEY 7 POWER INTERRUPT	[1] ____	202 START ENTRANCE DELAY 1 ON KP ENTRIES	[0] ____
Extended Report Digits {0-15} For: User Codes 1-6	203 ZONE 1 [0] ____	205 ZONE 3 [0] ____	Trouble upon: {0=OPEN 1=SHORT}	207 ZONE 5 [0] ____
	204 ZONE 2 [0] ____	206 ZONE 4 [0] ____		208 ZONE 6 [0] ____
Zone Alarms	209 CODE 1 [1] ____	212 CODE 4 [4] ____	215 EXTENDED KEYSWITCH	
	210 CODE 2 [2] ____	213 CODE 5 [5] ____	ZONE REPORTING CODE [7] ____	
	211 CODE 3 [3] ____	214 CODE 6 [6] ____		
Zone Restorals	216 ZONE 1 [1] ____	218 ZONE 3 [3] ____		220 ZONE 5 [5] ____
	217 ZONE 2 [2] ____	219 ZONE 4 [4] ____		221 ZONE 6 [6] ____
Zone Shunts	222 ZONE 1 [1] ____	224 ZONE 3 [3] ____		226 ZONE 5 [5] ____
	223 ZONE 2 [2] ____	225 ZONE 4 [4] ____		227 ZONE 6 [6] ____
Zone Supervisory/ Troubles	228 ZONE 1 [1] ____	230 ZONE 3 [3] ____		232 ZONE 5 [5] ____
	229 ZONE 2 [2] ____	231 ZONE 4 [4] ____		233 ZONE 6 [6] ____
Misc. Extended Reporting Digits	234 ZONE 1 [1] ____	236 ZONE 3 [3] ____		238 ZONE 5 [5] ____
	235 ZONE 2 [2] ____	237 ZONE 4 [4] ____		239 ZONE 6 [6] ____
Special Purpose All are Yes/No format except #251, #252, #255, #256 & #264-269 {0=No, 1=Yes}	240 EXTENDED AC CODE	[10] ____	244 EXTENDED KEYPAD PANIC "A" CODE	[9] ____
	241 EXTENDED BATTERY CODE	[9] ____	245 EXTENDED KEYPAD PANIC "B" CODE	[9] ____
	242 EXTENDED MEMORY ERROR CODE	[15] ____	246 EXTENDED KEYPAD PANIC "C" CODE	[9] ____
	243 EXTENDED TEST CODE	[9] ____	247 EXTENDED MISSING KEYPAD CODE	[15] ____
	248 ELIMINATE BURG ZONE EOLR SUPERVISION [0] ____ ***			
	249 EXITS TO PROGRAMMING ENTRY MODE			
	250 RESTORE USER CODE 1 DEFAULT VALUE ____ {NO VALUE REQUIRED}			
	251 FAST LOOP RESPONSE TIME [2] ____ {0-15}			
	252 SLOW LOOP RESPONSE TIME [6] ____ {0-15}			
	253 EXITS TO PROGRAMMING ENTRY MODE			
	254 RESTORE FACTORY DEFAULTS [0] ____ {0-1}			
	255 INSTALLER PROGRAM AUTHORIZATION CODE ____ [96321]			
	256 ASSIGNABLE OUTPUT (TERM.3) DEFINITION [0] ____ {0-4}			
	257 BURGLAR ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] ____ {0-1}			
	258 AUX "A"(FIRE ff) ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] ____ {0-1}			
	259 AUX "B"(POLICE) ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] ____ {0-1}			
	260 AUX "C"(EMERGENCY) ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] ____ {0-1}			
	261 DISABLE KEYPAD PANIC AUX "A" (FIRE ff) [0] ____ {0-1}			
	262 DISABLE KEYPAD PANIC AUX "B" (POLICE) [0] ____ {0-1}			
	263 DISABLE KEYPAD PANIC AUX "C" (EMERG.) [0] ____ {0-1}			
	264-266 FACTORY USE - NOT PROGRAMMABLE (264 EXITS TO PROGRAMMING ENTRY MODE)			
	267 TELEPHONE NUMBER 1 UPLOAD/DOWNLOAD COMPLETED REPORTING CODE [9] ____ {0-15}			
	268 TELEPHONE NUMBER 2 UPLOAD/DOWNLOAD COMPLETED REPORTING CODE [9] ____ {0-15}			
	269 EXTENDED UPLOAD/DOWNLOAD COMPLETED REPORTING CODE [9] ____ {0-15}			
	270 DIAL TONE DETECTION/1 ALARM PER ZONE UNTIL DISARM [0] ____ {0-15}			
	271 KEYPAD PANIC 3 SECOND (HOLD OR PRESS TWICE) MODE[1] ____ {0-1} (0 = INSTANT 1 = 3 SECOND MODE)			
	272 ANSWER MACHINE BYPASS 2ND CALL TIME LIMIT (10 SEC INCREMENTS) [0] ____ {0-15}			
	273 LISTEN-IN TIME [1] ____ {1-15}			

* Not to be programmed in U.L. Listed Systems.

** Must be programmed with a value of "1" in U.L. Listed Systems.

C *** Must be programmed with a value of "0" in U.L. Listed Systems.

NOTE: Refer to Section 5 for U.L. Listed System requirements

Zone Planning Guide

ZONE TYPE	DEFINITION	VALUE	ZONES					
			01	02	03	04	05	06
BURGLAR LOOPS **	ENTRY DELAY 1	= 0						
	INSTANT	= 1						
	SILENT INSTANT	= 7						
	ENTRY DELAY 2	= 8						
	INTERIOR	= 16						
	NON-SHUNTABLE	= 32						
	SLOW RESPONSE	= 64						
	SUPERVISORY/TBL	= 128						
AUXILIARY "A" (ff FIRE)								
	SHUNTABLE ††	= 32						
	SLOW RESPONSE	= 64						
AUXILIARY "B" (POLICE)								
	NO AUX. "B" ALARM OUTPUT	= 8						
	NO VIOLATION OUTPUT ON Z729	= 16						
	SHUNTABLE ††	= 32						
	SLOW RESPONSE	= 64						
	SUPERVISORY/TBL	= 128						
AUXILIARY "C" (EMERGENCY)								
	SHUNTABLE ††	= 32						
	SLOW RESPONSE	= 64						
	SUPERVISORY/TBL	= 128						
KEYSWITCH †								
	MAINTAINED TYPE	= 16						
	SHUNTABLE	= 32						
	SUPERVISORY/TBL	= 128						
COMMUNICATOR REPORT ONLY								
	SHUNTABLE	= 32						
	SLOW RESPONSE	= 64						
	SUPERVISORY/TBL	= 128						
TOTAL VALUE FOR SELECTED ZONE TYPE =								
FUNCTION # FOR ENTERING VALUE TOTAL			41	42	43	44	45	46

ZONE	PROTECTION
1 =	
2 =	
3 =	
4 =	
5 =	
6 =	
KEYPAD PANIC ZONE "A" = _____	
KEYPAD PANIC ZONE "B" = _____	
KEYPAD PANIC ZONE "C" = _____	

SPECIAL FUNCTIONS
ASSIGNABLE OUTPUT (terminal 3) Activates upon: ☐ ALARMS ☐ Burglar Alarms ** ☐ Aux. "A" Alarms ☐ Aux. "B" Alarms ☐ Aux. "C" Alarms or ☐ NON-ALARMS (one only) ☐ Key 7 Sw. Power Reset/Auto Tests ☐ Access Activation ☐ Supervisory/Trouble conditions ☐ Entrance Pre-alarms and Chime

DATE: INSTALLED BY:

†† U.L. Does not permit this zone to be programmed as shuntable

† Shall not be employed in U.L. Listed Installations.

* Burglar Loops shall not be defined as Supervisory/Trouble in U.L. Listed Systems

** Burglar Loops shall be defined as audible in U.L. Listed Systems