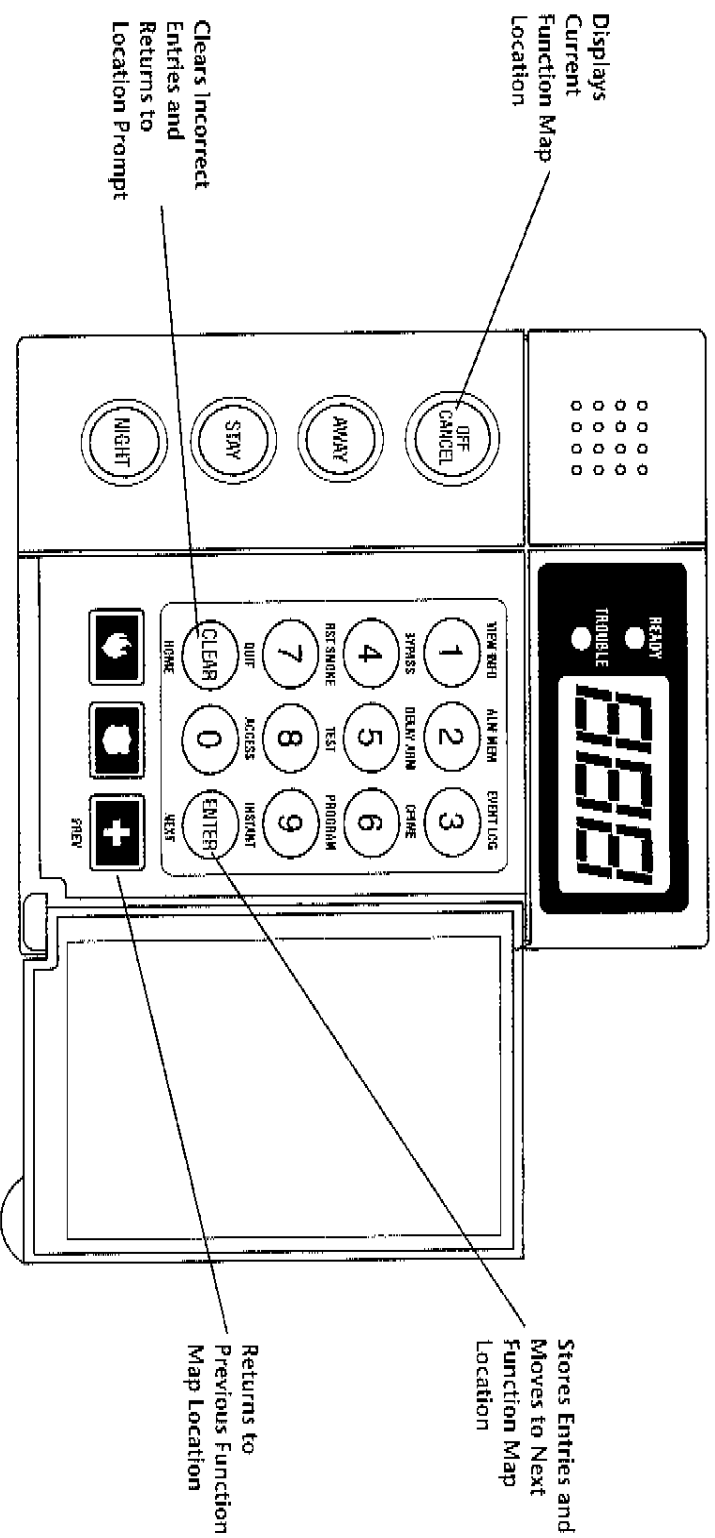


SENTROL ZX400/ZX410

Security System Control



NOTE

To edit the Function Map, press the PROGRAM (9) key, enter the installer passcode, and press the '3' key to select the Edit Function Map programming option.

9 + + 3

When an "H" is displayed, a hexadecimal value may be programmed at that location.

ZX400/ZX410 Programming Record Book

Subscriber Name _____ Phone # _____

Address _____

Control Panel Phone # _____ RPM Panel ID # _____

Installed By _____ Date _____

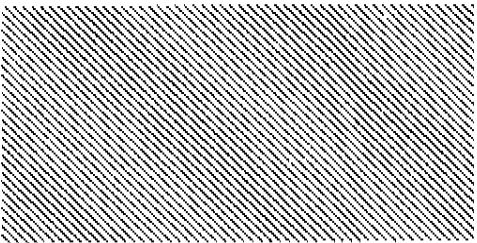
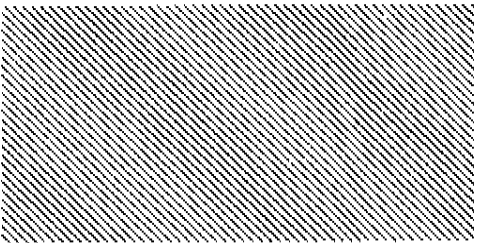
AREA DATA

Area 1		Area 2	
DEF	NEW VALUE	DEF	NEW VALUE
AWAY Exit Time (sec)	[1] 60	[12] 60	
STAY/NIGHT Exit Time (sec)	[2] 60	[13] 60	
Entry Time 1 (sec)	[3] 20	[14] 20	
Entry Time 2 (sec)	[4] 40	[15] 40	
Pre-Alarm Time (sec)	[5] 0	[16] 0	
'B' Key Alarms	[6] 2	[17] 2	
'C' Key Alarms	[7] 1	[18] 1	
Closing Ringback	[8] 0	[19] 0	
Burglar Audible Lockout	[9] 0	[20] 0	
Swinger Shunt	[10] 0	[21] 0	
Area Attributes	[11] H-09	[22] H-09	

KEYPAD DATA

Keypad 1		Keypad 2		Keypad 3		Keypad 4		Keypad 5		Keypad 6	
DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE
Unsupervised Keypad Type	LED	LED		SSD		SSD		LCD/VFD		LCD/VFD	
Keypad Attribute	[23] H-1C	[25] H-1C	[27] H-1C	[29] H-1C	[31] H-1C	[33] H-1E					
Access Time (sec)	[24] 5	[26] 5	[28] 5	[30] 5	[32] 5	[34] 5					

ZONE DATA

Zone Name	Zone Type		Area		Expansion Device		Burglar Zone Attribute		Zone Attribute	
	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE
Zone 01	[35]	1	[36]	1			[37]	H-0D	[38]	H-37
Zone 02	[39]	1	[40]	1			[41]	H-03	[42]	H-37
Zone 03	[43]	1	[44]	1			[45]	H-03	[46]	H-37
Zone 04	[47]	1	[48]	1			[49]	H-0C	[50]	H-37
Zone 05	[51]	1	[52]	1			[53]	H-0C	[54]	H-37
Zone 06	[55]	1	[56]	1			[57]	H-0C	[58]	H-37
Zone 07	[59]	1	[60]	1			[61]	H-0C	[62]	H-37
Zone 08	[63]	1	[64]	1			[65]	H-0C	[66]	H-37
Zone 09	[67]	1	[68]	1			[69]	H-0C	[70]	H-37
Zone 10	[71]	1	[72]	1			[73]	H-0C	[74]	H-37
Zone 11	[75]	1	[76]	1			[77]	H-0C	[78]	H-37
Zone 12	[79]	1	[80]	1			[81]	H-0C	[82]	H-37
Zone 13	[83]	1	[84]	0			[85]	H-0C	[87]	H-37
Zone 14	[88]	1	[89]	0			[90]	H-0C	[92]	H-37
Zone 15	[93]	1	[94]	0			[95]	H-0C	[97]	H-37
Zone 16	[98]	1	[99]	0			[100]	H-0C	[102]	H-37
Zone 17	[103]	1	[104]	0			[105]	H-0C	[107]	H-37
Zone 18	[108]	1	[109]	0			[110]	H-0C	[112]	H-37
Zone 19	[113]	1	[114]	0			[115]	H-0C	[117]	H-37
Zone 20	[118]	1	[119]	0			[120]	H-0C	[122]	H-37
Zone 21	[123]	1	[124]	0			[125]	H-0C	[127]	H-37
Zone 22	[128]	1	[129]	0			[130]	H-0C	[132]	H-37
Zone 23	[133]	1	[134]	0			[135]	H-0C	[137]	H-37
Zone 24	[138]	1	[139]	0			[140]	H-0C	[142]	H-37
Zone 25	[143]	1	[144]	0			[145]	H-0C	[147]	H-37
Zone 26	[148]	1	[149]	0			[150]	H-0C	[152]	H-37
Zone 27	[153]	1	[154]	0			[155]	H-0C	[157]	H-37
Zone 28	[158]	1	[159]	0			[160]	H-0C	[162]	H-37
Zone 29*	[163]	0							[164]	H-63
Zone 30**	[165]	2							[166]	H-63

* Zone 29 is the Two-Wire Smoke Zone on the Expander Module

** Zone 30 is the Two-Wire Smoke Zone on the Control Board

USER DATA

Code	Authority Level		Operation Area		Code	Authority Level		Operation Area			
	DEF	NEW VALUE	DEF	NEW VALUE		DEF	NEW VALUE	DEF	NEW VALUE		
User 01	1234	[167]	10	[168]	1	User 26	0000	[217]	6	[218]	1
User 02	0000	[169]	6	[170]	1	User 27	0000	[219]	6	[220]	1
User 03	0000	[171]	6	[172]	1	User 28	0000	[221]	6	[222]	1
User 04	0000	[173]	6	[174]	1	User 29	0000	[223]	6	[224]	1
User 05	0000	[175]	6	[176]	1	User 30	0000	[225]	6	[226]	1
User 06	0000	[177]	6	[178]	1	User 31	0000	[227]	6	[228]	1
User 07	0000	[179]	6	[180]	1	User 32	0000	[229]	6	[230]	1
User 08	0000	[181]	6	[182]	1	User 33	0000	[231]	6	[232]	1
User 09	0000	[183]	6	[184]	1	User 34	0000	[233]	6	[234]	1
User 10	0000	[185]	6	[186]	1	User 35	0000	[235]	6	[236]	1
User 11	0000	[187]	6	[188]	1	User 36	0000	[237]	6	[238]	1
User 12	0000	[189]	6	[190]	1	User 37	0000	[239]	6	[240]	1
User 13	0000	[191]	6	[192]	1	User 38	0000	[241]	6	[242]	1
User 14	0000	[193]	6	[194]	1	User 39	0000	[243]	6	[244]	1
User 15	0000	[195]	6	[196]	1	User 40	0000	[245]	6	[246]	1
User 16	0000	[197]	6	[198]	1	User 41	0000	[247]	6	[248]	1
User 17	0000	[199]	6	[200]	1	User 42	0000	[249]	6	[250]	1
User 18	0000	[201]	6	[202]	1	User 43	0000	[251]	6	[252]	1
User 19	0000	[203]	6	[204]	1	User 44	0000	[253]	6	[254]	1
User 20	0000	[205]	6	[206]	1	User 45	0000	[255]	6	[256]	1
User 21	0000	[207]	6	[208]	1	User 46	0000	[257]	6	[258]	1
User 22	0000	[209]	6	[210]	1	User 47	0000	[259]	6	[260]	1
User 23	0000	[211]	6	[212]	1	User 48	0000	[261]	6	[262]	1
User 24	0000	[213]	6	[214]	1	User 49	0000	[263]	6	[264]	1
User 25	0000	[215]	6	[216]	1	User 50	1245	[265]	10	[266]	3

OUTPUT DEFINITIONS

	Condition		Area or Keypad*	
	DEF	NEW VALUE	DEF	NEW VALUE
Control - Bell				
Output 00			[267]	1
Control				
Output 01	[268]	13	[269]	1
ODM 1				
Output 01	[270]	9	[271]	1
Output 02	[272]	1	[273]	1
Output 03	[274]	10	[275]	1
Output 04	[276]	11	[277]	1
Output 05	[278]	15	[279]	1
Output 06	[280]	26	[281]	1
Output 07	[282]	14	[283]	1
Output 08	[284]	21	[285]	1
Output 09	[286]	29	[287]	1
Output 10	[288]	34	[289]	1

	Condition		Area or Keypad*	
	DEF	NEW VALUE	DEF	NEW VALUE
Zone Expander or ODM 2				
Output 01	[290]	9	[291]	1
Output 02	[292]	1	[293]	1
Output 03	[294]	10	[295]	1
Output 04	[296]	11	[297]	1
Output 05	[298]	15	[299]	1
Output 06	[300]	26	[301]	1
Output 07	[302]	14	[303]	1
Output 08	[304]	21	[305]	1
Output 09	[306]	29	[307]	1
Output 10	[308]	34	[309]	1

* Output conditions 34 and 35 add combinations of keypads 1 - 6.
Conditions 9 - 33 are specified as a combination of Areas 1 and 2.

GLOBAL SYSTEMS OPTIONS

	Time	
	DEF	NEW VALUE
Fire Cutoff Time (min)	[310]	0
Burglar Cutoff Time (min)	[311]	10
Holdup Cutoff Time (min)	[312]	10
Aux Cutoff Time (min)	[313]	10
Universal Output Time (sec)	[314]	0
Delay Before Dial (sec)	[315]	0
Fire Delay Before Dial (sec)	[316]	0

	Time	
	DEF	NEW VALUE
AC Failure Delay (min)*	[317]	30
Senior Watch Time (hrs)	[318]	24
System Attributes	[319]	H-31
Passcode Attempts	[320]	8
AC Cycles**	[321]	0

* ODD = silent, EVEN = audible

** 0 = 60 Hz, 1 = 50 Hz

COMMUNICATOR DATA

	DEF	NEW VALUE		DEF	NEW VALUE
Enable Communicator	[322] 1	_____	T1 Trans Format	[330]	3
Enable Skip Test	[323] 0	_____	T2 Trans Format	[331]	3
Power-up Comm Test	[324] 0	_____	Dialer Type	[332]	1
Disable Call Waiting	[325] 0	_____	T1 Dial Attempts	[333]	5
Comm Test Time of Day (hr:min)	[326] 00 : [327] 00	_____	T2 Dial Attempts	[334]	5
Days Between Comm Tests	[328] 0	_____	On-Hook Time (sec)	[335]	5
Time Between Calls (sec)	[329] 5	_____	Off-Hook Time (sec)	[336]	3

COMM TELEPHONE NUMBERS

	DEF	NEW VALUE
Telephone 1 (16 digits)	[337 - 352]	all F's
Telephone 2 (24 digits)	[353 - 376]	all F's
RPM/2 Phone (16 digits)	[377 - 392]	all F's

AREA EVENT REPORTING

Area 1			Area 2		
	DEF	NEW VALUE		DEF	NEW VALUE
Tel 1 Acnt No (6 Hex digits)	[393 - 398]	000000	[405 - 410]	000000	_____
Tel 2 Acnt No (6 Hex digits)	[399 - 404]	000000	[411 - 416]	000000	_____
=====					
Fire Phone No. *	[417]	3			
System Events Phone No. **	[418]	0			
Burg Phone No.	[419]	3			
Hold-up Phone No.	[420]	3			
Aux Phone No.	[421]	3			
CCM Phone No.	[422]	3			
Zone TBL/Restore Phone No.	[423]	0			
Zone BYP/Restore Phone No.	[424]	0			
OPN/CLS Phone No.	[425]	0			
Supervision Phone No.	[426]	0			
			[427]	3	_____
			[428]	3	_____
			[429]	3	_____
			[430]	3	_____
			[431]	0	_____
			[432]	0	_____
			[433]	0	_____
			[434]	0	_____

* Note: Fire Events communicate as Area 1 only.

** Note: System Events communicate as Area 1 only.

ZONE REPORT CODES

	Alarm		Restore		Bypass		Trouble	
	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE	DEF	NEW VALUE
Zone 01	[435]	H-31	[436]	H-E3	[437]	H-AB	[438]	H-F3
Zone 02	[439]	H-32	[440]	H-E3	[441]	H-AB	[442]	H-F3
Zone 03	[443]	H-33	[444]	H-E3	[445]	H-AB	[446]	H-F3
Zone 04	[447]	H-34	[448]	H-E3	[449]	H-AB	[450]	H-F3
Zone 05	[451]	H-35	[452]	H-E3	[453]	H-AB	[454]	H-F3
Zone 06	[455]	H-36	[456]	H-E3	[457]	H-AB	[458]	H-F3
Zone 07	[459]	H-37	[460]	H-E3	[461]	H-AB	[462]	H-F3
Zone 08	[463]	H-38	[464]	H-E3	[465]	H-AB	[466]	H-F3
Zone 09	[467]	H-39	[468]	H-E3	[469]	H-AB	[470]	H-F3
Zone 10	[471]	H-3A	[472]	H-E3	[473]	H-AB	[474]	H-F3
Zone 11	[475]	H-3B	[476]	H-E3	[477]	H-AB	[478]	H-F3
Zone 12	[479]	H-3C	[480]	H-E3	[481]	H-AB	[482]	H-F3
Zone 13	[483]	H-3D	[484]	H-E3	[485]	H-AB	[486]	H-F3
Zone 14	[487]	H-3E	[488]	H-E3	[489]	H-AB	[490]	H-F3
Zone 15	[491]	H-3F	[492]	H-E3	[493]	H-AB	[494]	H-F3
Zone 16	[495]	H-61	[496]	H-E6	[497]	H-AB	[498]	H-F6
Zone 17	[499]	H-62	[500]	H-E6	[501]	H-AB	[502]	H-F6
Zone 18	[503]	H-63	[504]	H-E6	[505]	H-AB	[506]	H-F6
Zone 19	[507]	H-64	[508]	H-E6	[509]	H-AB	[510]	H-F6
Zone 20	[511]	H-65	[512]	H-E6	[513]	H-AB	[514]	H-F6
Zone 21	[515]	H-66	[516]	H-E6	[517]	H-AB	[518]	H-F6
Zone 22	[519]	H-67	[520]	H-E6	[521]	H-AB	[522]	H-F6
Zone 23	[523]	H-68	[524]	H-E6	[525]	H-AB	[526]	H-F6
Zone 24	[527]	H-69	[528]	H-E6	[529]	H-AB	[530]	H-F6
Zone 25	[531]	H-6A	[532]	H-E6	[533]	H-AB	[534]	H-F6
Zone 26	[535]	H-6B	[536]	H-E6	[537]	H-AB	[538]	H-F6
Zone 27	[539]	H-6C	[540]	H-E6	[541]	H-AB	[542]	H-F6
Zone 28	[543]	H-6D	[544]	H-E6	[545]	H-AB	[546]	H-F6
Zone 29	[547]	H-11	[548]	H-E1	[549]	H-AB	[550]	H-F1
Zone 30	[551]	H-12	[552]	H-E1	[553]	H-AB	[554]	H-F1

USER REPORT CODES

		Close				Open				Close				Open	
	DEF	NEW VALUE		DEF	NEW VALUE		DEF	NEW VALUE		DEF	NEW VALUE		DEF	NEW VALUE	
User 01	[555]	H-C1		[556]	H-B1		User 26	[605]	H-CF		[606]	H-BF			
User 02	[557]	H-C2		[558]	H-B2		User 27	[607]	H-CF		[608]	H-BF			
User 03	[559]	H-C3		[560]	H-B3		User 28	[609]	H-CF		[610]	H-BF			
User 04	[561]	H-C4		[562]	H-B4		User 29	[611]	H-CF		[612]	H-BF			
User 05	[563]	H-C5		[564]	H-B5		User 30	[613]	H-CF		[614]	H-BF			
User 06	[565]	H-C6		[566]	H-B6		User 31	[615]	H-CF		[616]	H-BF			
User 07	[567]	H-C7		[568]	H-B7		User 32	[617]	H-CF		[618]	H-BF			
User 08	[569]	H-C8		[570]	H-B8		User 33	[619]	H-CF		[620]	H-BF			
User 09	[571]	H-C9		[572]	H-B9		User 34	[621]	H-CF		[622]	H-BF			
User 10	[573]	H-CA		[574]	H-BA		User 35	[623]	H-CF		[624]	H-BF			
User 11	[575]	H-CB		[576]	H-BB		User 36	[625]	H-CF		[626]	H-BF			
User 12	[577]	H-CC		[578]	H-BC		User 37	[627]	H-CF		[628]	H-BF			
User 13	[579]	H-CD		[580]	H-BD		User 38	[629]	H-CF		[630]	H-BF			
User 14	[581]	H-CE		[582]	H-BE		User 39	[631]	H-CF		[632]	H-BF			
User 15	[583]	H-CF		[584]	H-BF		User 40	[633]	H-CF		[634]	H-BF			
User 16	[585]	H-CF		[586]	H-BF		User 41	[635]	H-CF		[636]	H-BF			
User 17	[587]	H-CF		[588]	H-BF		User 42	[637]	H-CF		[638]	H-BF			
User 18	[589]	H-CF		[590]	H-BF		User 43	[639]	H-CF		[640]	H-BF			
User 19	[591]	H-CF		[592]	H-BF		User 44	[641]	H-CF		[642]	H-BF			
User 20	[593]	H-CF		[594]	H-BF		User 45	[643]	H-CF		[644]	H-BF			
User 21	[595]	H-CF		[596]	H-BF		User 46	[645]	H-CF		[646]	H-BF			
User 22	[597]	H-CF		[598]	H-BF		User 47	[647]	H-CF		[648]	H-BF			
User 23	[599]	H-CF		[600]	H-BF		User 48	[649]	H-CF		[650]	H-BF			
User 24	[601]	H-CF		[602]	H-BF		User 49	[651]	H-CF		[652]	H-BF			
User 25	[603]	H-CF		[604]	H-BF		User 50	[653]	H-CF		[654]	H-BF			

SYSTEM EVENT REPORT CODES

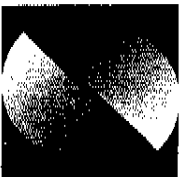
	DEF	NEW VALUE		DEF	NEW VALUE
'A' Key Report Code	[655]	H-19	Comm Test Report Code	[674]	H-00
'B' Key Report Code	[656]	H-29	AC Fail Report Code	[675]	H-FA
'C' Key Report Code	[657]	H-49	AC Restore Report Code	[676]	H-EA
Duress Code	[658]	H-99	Low Battery Report Code	[677]	H-F9
Keypad Lockout Code	[659]	H-00	Battery Restore Code	[678]	H-E9
Burg Cancel Report Code	[660]	H-00	Bell Fault Report Code	[679]	H-00
Quick Arm Report Code	[661]	H-00	Bell Restore Report Code	[680]	H-00
Auto-Arm Code	[662]	H-00	Comm Restore Report Code	[681]	H-00
Auto-Arm Failed Code	[663]	H-00	Memory Error Report Code	[682]	H-00
Keyswitch Closing Code	[664]	H-00	Local Program Begin Code	[683]	H-00
Keyswitch Opening Code	[665]	H-00	Local Program End Code	[684]	H-00
Installer/RPM Closing Code	[666]	H-00	RPM End Report Code	[685]	H-00
Installer/RPM Opening Code	[667]	H-00	RPM Denied Report Code	[686]	H-00
Closing Extended Code	[668]	H-00	RPM Abort Report Code	[687]	H-00
Exit Alarm Code	[669]	H-00	Missing Keypad Code	[688]	H-00
Recent Closing Code	[670]	H-00	Restore Keypad Code	[689]	H-00
Latch Key Supervision Code	[671]	H-00	RF Jamming Code	[690]	H-00
User on Premises Code	[672]	H-00	RF Channel Clear Code	[691]	H-00
Comm Test Not Norm Code	[673]	H-00	RF Keyfob Low Battery	[692]	H-00

AREA SCHEDULES

		Area 1		Area 2	
	DEF	NEW VALUE		DEF	NEW VALUE
Sched Arm Mode	[693] 0		[726] 0		
Sched Arm Days	[694] H-00		[727] H-00		
Arm Time Sun (hr:min)	[695] 00 : [696] 00		[728] 00 : [729] 00		
Arm Time Mon (hr:min)	[697] 00 : [698] 00		[730] 00 : [731] 00		
Arm Time Tues (hr:min)	[699] 00 : [700] 00		[732] 00 : [733] 00		
Arm Time Wed (hr:min)	[701] 00 : [702] 00		[734] 00 : [735] 00		
Arm Time Thur (hr:min)	[703] 00 : [704] 00		[736] 00 : [737] 00		
Arm Time Fri (hr:min)	[705] 00 : [706] 00		[738] 00 : [739] 00		
Arm Time Sat (hr:min)	[707] 00 : [708] 00		[740] 00 : [741] 00		
Latch Key User ID	[709] 0		[742] 0		
Latch Key Days	[710] H-00		[743] H-00		
Latch Key Window (min)	[711] 0		[744] 0		
Latch Time Sun (hr:min)	[712] 00 : [713] 00		[745] 00 : [746] 00		
Latch Time Mon (hr:min)	[714] 00 : [715] 00		[747] 00 : [748] 00		
Latch Time Tues (hr:min)	[716] 00 : [717] 00		[749] 00 : [750] 00		
Latch Time Wed (hr:min)	[718] 00 : [719] 00		[751] 00 : [752] 00		
Latch Time Thur (hr:min)	[720] 00 : [721] 00		[753] 00 : [754] 00		
Latch Time Fri (hr:min)	[722] 00 : [723] 00		[755] 00 : [756] 00		
Latch Time Sat (hr:min)	[724] 00 : [725] 00		[757] 00 : [758] 00		

PROGRAMMING OPTIONS

	DEF	NEW VALUE		DEF	NEW VALUE
Installer Passcode	[759 - 762]	9632	Enable RPM	[765]	1
Call 2 Timer (sec)	[763]	0	Enable Power Up Program	[766]	0
Auto Answer Ring Count	[764]	5	Lockout Local Program	[767]	0



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