

System Programming Guide

Software Versions 5.0 (728ULT) and 5.0 (738ULT)

Installer Code (default - 728 Ultra: 282828; 738 Ultra: 383838)

Full access to programming, except user access codes (PINs). No access to arming/disarming. Use only numeric keys from [0] to [9].

Zone Recognition

Table 1: Zone Recognition

Device connected to which input?	728 Ultra No ATZ	728 Ultra With ATZ	738 Ultra No ATZ	738 Ultra With ATZ
Control Panel				
Input 1 =	Zone 1	Zones 1 & 2	Zone 1	Zones 1 & 9
Input 2 =	Zone 2	Zones 3 & 4	Zone 2	Zones 2 & 10
Input 3 =	Zone 3	Zones 5 & 6	Zone 3	Zones 3 & 11
Input 4 =	Zone 4	Zones 7 & 8	Zone 4	Zones 4 & 12
Input 5 =	N/A	N/A	Zone 5	Zones 5 & 13
Input 6 =	N/A	N/A	Zone 6	Zones 6 & 14
Input 7 =	N/A	N/A	Zone 7	Zones 7 & 15
Input 8 =	N/A	N/A	Zone 8	Zones 8 & 16
Keypad				
Zone 1 =	Zone 5	Zone 9	Zone 9	Zone 17
Zone 2 =	Zone 6	Zone 10	Zone 10	Zone 18

Streamlined Section Programming

This is an alternate method to Hex Programming (see page 2). Addresses **000** to **043** and **300** to **527** are grouped into 68 sections where each section contains four addresses (i.e. section **00** = addresses **000** to **003**). Using this method allows you to program 8 digits (4 addresses) without having to exit and re-enter addresses.



The keypad will not display the current data in the Streamlined Section Programming method.

Table 2: Streamlined Section Programming Method

- 1. Press [ENTER] + [INSTALLER CODE] (default 728 Ultra: 282828; 738 Ultra: 383838) + [7].
- 2. The [ENTER] and [2ND] keys will flash to indicate you are in programming mode (LED keypad only).
- 3. Enter 2-digit [SECTION] (00 to 67).
- 4. The [ENTER] key will remain on while the [2ND] key will be off (LED keypad only).
- 5. Enter 8-digit [DATA] to program the section.
- 6. The keypad will beep to indicate that the section has been programmed, data is saved and the software has advanced to the next section.
- 7. Return to step 4 or press [CLEAR] to exit programming mode.

Keypad Trouble Display

Press the [TBL]/[TRBL] key to view the trouble. Any illuminated keys represent a specific trouble as indicated in *Table 3* below. Press the [CLEAR] button to exit the trouble display.

Table 3: Trouble Display

[1] - No Battery or Low Voltage	[7] - Communicator Report Failure
[2] - Power Failure	[8] - Timer Loss* (to clear, see [MEM] key in Table 11 on page 11)
[4] - Bell Output Disconnected	[9] - Tamper or Zone Wiring Failure
[5] - Exceeded Maximum Bell Current	[10] - Telephone Line Monitoring Failure
[6] - Exceeded Maximum Auxiliary Current	[11] - Fire Loop Trouble

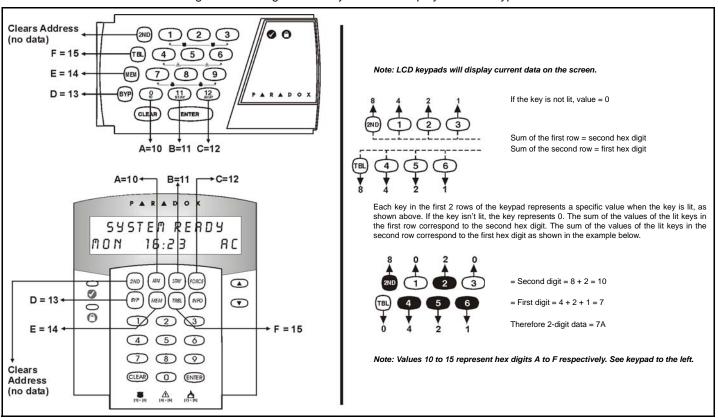
Hex Programming

This is an alternate method to the Streamlined Section Programming (see page 1). Addresses **000** to **043** and **300** to **527** can be programmed using the Hex Programming method. In this mode, you can enter any hexadecimal digit from 0 to F where keys **[1]** to **[9]** represent digits 1 to 9 respectively; the other keys represent hexadecimal digits A to F as shown in Figure 1 below.

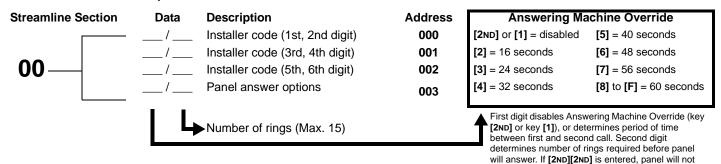
Table 4: Hex Programming Method

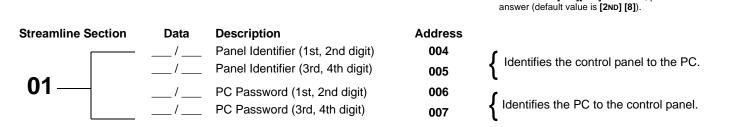
- 1. Press [ENTER] + [INSTALLER CODE] (default 728 Ultra: 282828; 738 Ultra: 383838).
- 2. The [ENTER] key will flash indicating you are in programming mode (LED keypad only).
- 3. Enter the desired 3-digit [ADDRESS].
- 4. The keypad will display the 2-digit data currently saved at this address as described in Figure 1 below.
- 5. Enter 2-digit [DATA] and do not press [ENTER], the software automatically saves the data.
- 6. Return to step 2 or press [CLEAR] to exit programming mode.

Figure 1: Hex Digit Data Entry and Data Display for LED Keypads



Installer / Panel Answer Options





Telephone and Account Numbers

If only one monitoring station telephone number is used, program the same number for telephone numbers 1 and 2. If only one account number is required, the same number must be entered for both accounts "A" and "B".

[0] to **[9]** = numeric value

[BYP] = switch from pulse to tone while dialing

[STAY] = * [AWAY]/[FORCE] = #

[MEM] = pause 4 seconds
[TBL]/[TRBL] = end of number

Computer Telephone Number (View at addresses 008 to 015)

Streamline Section

Streamline Section

02

__/__/__/__/__/__/ 1 2 3 4 5 6 7 8 03

 Press the [TBL]/[TRBL] key to end phone number if less than 16 digits are programmed.

Monitoring Station Telephone Number 1 (View at addresses 016 to 023)

Streamline Section

Streamline Section

04

1 2 3 4 5 6 7 8

05

9 10 11 12 13 14 15 16

Press the [TBL]/[TRBL] key to end phone number if less than 16 digits are programmed.

Monitoring Station Telephone Number 2 (View at addresses 024 to 031)

Streamline Section

Streamline Section

06

 07

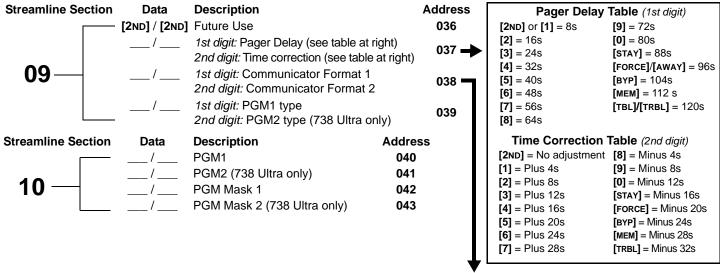
 Press the [TBL]/[TRBL] key to end phone number if less than 16 digits are programmed.

Accounts "A" and "B" (View at addresses 032 to 035)

Streamline Section

08

For 3-digit account numbers, enter "skip" ([2ND]) as first digit.
The Standard Pulse report format can support 3- or 4-digit account numbers.
The Ademco Express, Ademco Contact ID and the Pager report formats only support 4-digit account numbers.



	Communicator Formats (* = supports 4-digit account codes only)											
Key		Key										
[2ND]	= ADEMCO slow (1400Hz, 1900Hz, 10bps)	[6]	= RADIONICS with PARITY (1400Hz, 40bps)									
[1]	= (1400Hz, 1800Hz, 10bps)	[7]	= RADIONICS with PARITY (2300Hz, 40bps)									
[2]	= SILENT KNIGHT fast (1400Hz, 1900Hz, 20bps)	[8]	= * ADEMCO express									
[3]	= SESCOA (2300Hz, 1800Hz, 20bps)	[9]	= * ADEMCO contact ID (programmable codes)									
[4]	= RADIONICS (40bps with 1400Hz handshake)	[0]	= * ADEMCO contact ID (all codes)									
[5]	= RADIONICS (40bps with 2300Hz handshake)	[TBL] / [TRBL]	= * PAGER FORMAT (personal dialing)									

All addresses from **300** to **527** (sections 11 to 67) programmed with values other than **[2ND] [2ND]** will report the contact ID codes corresponding to the values programmed. Values to be programmed should be selected from this table.

CID	Reporting Code	Prog. Value	CID	Reporting Code	Prog. Value
100:	AUXILIARY ALARM	[2ND] / [1]	300:	SYSTEM TROUBLE	[2] / [2]
110:	FIRE ALARM	[2ND] / [2]	301:	AC Loss	[2] / [3]
111:	FIRE SMOKE	[2ND] / [3]	302:	LOW SYSTEM BATTERY	[2] / [4]
112:	COMBUSTION	[2ND] / [4]	305:	SYSTEM RESET	[2] / [5]
113:	WATER FLOW	[2ND] / [5]	306:	PROGRAM CHANGED	[2] / [6]
114:	HEAT	[2ND] / [6]	309:	BATTERY TEST FAIL	[2] / [7]
115:	PULLSTATION	[2ND] / [7]	320:	SOUNDER/RELAY TROUBLE	[2] / [8]
116:	Duct	[2ND] / [8]	321:	BELL 1 TROUBLE	[2] / [9]
117:	FLAME	[2ND] / [9]	323:	ALARM RELAY TROUBLE	[2] / [0]
118:	NEAR ALARM	[2ND] / [0]	350:	COMMUNICATION TROUBLE	[2] / [STAY]
120:	PANIC ALARM	[2ND] / [STAY]	351:	Telco 1 Fault	[2ND] / [AWAY] OR [FORCE]
121:	Duress	[2ND] / [AWAY] OR [FORCE]	354:	FAIL TO COMMUNICATE	[2] / [BYP]
122:	SILENT PANIC	[2ND] / [BYP]	370:	PROTECTION LOOP TROUBLE	[2] / [MEM]
123:	AUDIBLE PANIC	[2ND] / [MEM]	371:	PROTECTION LOOP OPEN	[2] / [TRBL]
130:	BURGLARY	[2ND] / [TRBL]	372:	PROTECTION LOOP SHORT	[3] / [2ND]
131:	PERIMETER BURGLARY	[1] / [2ND]	373:	FIRE LOOP TROUBLE	[3] / [1]
132:	INTERIOR BURGLARY	[1] / [1]	382:	SENSOR TROUBLE	[3] / [2]
133:	24Hr Burglary	[1] / [2]	383:	SENSOR TAMPER	[3] / [3]
136:	BURGLARY OUTDOOR	[1] / [3]	400:	OPEN / CLOSE	[3] / [4]
137:	BURGLARY TAMPER	[1] / [4]	401:	OPEN / CLOSE BY USER #	[3] / [5]
138:	BURGLARY NEAR ALARM	[1] / [5]	402:	GROUP OPEN / CLOSE	[3] / [6]
140:	GENERAL ALARM	[1] / [6]	403:	AUTOMATIC OPENING / CLOSING	[3] / [7]
150:	24 Hour Auxiliary	[1] / [7]	404:	LATE TO OPEN / CLOSE	[3] / [8]
151:	GAS DETECTED	[1] / [8]	407:	REMOTE ARM DOWNLOAD	[3] / [9]
152:	REFRIGERATION	[1] / [9]	410:	REMOTE ACCESS	[3] / [0]
153:	LOSS OF HEAT	[1] / [0]	441:	OPEN / CLOSE - STAY MODE	[3] / [STAY]
154:	WATER LEAKAGE	[1] / [STAY]	570:	BYPASS	[3] / [AWAY] OR [FORCE]
155:	FOIL BREAK ALARM	[1] / [AWAY] OR [FORCE]	572:	24 HOUR ZONE BYPASS	[3] / [BYP]
156:	DAY TROUBLE ALARM	[1] / [BYP]	573:	BURGLARY BYPASS #	[3] / [MEM]
157:	Low Gas Level	[1] / [MEM]	574:	GROUP BYPASS	[3] / [TRBL]
158:	HIGH TEMPERATURE	[1] / [TRBL]	601:	Manual Test	[4] / [2ND]
159:	LOW TEMPERATURE	[2] / [2ND]	602:	PERIODIC TEST	[4] / [1]
161:	Loss Air Flow	[2] / [1]	625:	TIME / DATE RESET	[4] / [2]
			654:	SYSTEM INACTIVITY	[4] / [3]

Reporting Codes

All digits from [1] to [F] are valid. [2ND] = digit will not be reported except for Contact ID programmable codes. For single digit reporting, enter "skip" ([2ND]) as the first digit (default = [2ND] / [2ND]).

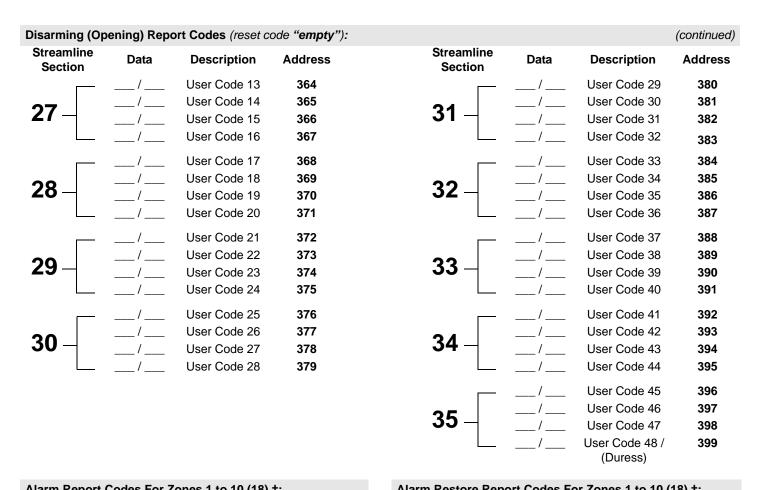


Enter FF to program the default Ademco Contact ID report code when using the Ademco Contact ID (programmable codes) or Pager report formats.

If the Contact ID Format (all codes) is selected, addresses 300 to 527 (sections 11 to 67) do not have to be programmed. To select Contact ID (all codes) you must set key [0] at section 09/address 038 for both monitoring station numbers (see page 4).

Arming (Closi	ng) Report C	Codes:		Ctro contino			
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Auto / Espload	300	_	/	User Code 23	324
44	/	Master	301	47	/	User Code 24	325
11–	/	User Code 1	302	17 –	/	User Code 25	326
	/	User Code 2	303		/	User Code 26	327
	/	User Code 3	304	_	/	User Code 27	328
40	/	User Code 4	305	40	/	User Code 28	329
12	/	User Code 5	306	18 –	/	User Code 29	330
	/	User Code 6	307		/	User Code 30	331
_	/	User Code 7	308	_	/	User Code 31	332
40	/	User Code 8	309	40	/	User Code 32	333
13 –	/	User Code 9	310	19 —	/	User Code 33	334
	/	User Code 10	311		/	User Code 34	335
	/	User Code 11	312	_	/	User Code 35	336
4.4	/	User Code 12	313	00	/	User Code 36	337
14 –	/	User Code 13	314	20 –	/	User Code 37	338
	/	User Code 14	315		/	User Code 38	339
	/	User Code 15	316	_	/	User Code 39	340
4 -	/	User Code 16	317	04	/	User Code 40	341
15 –	/	User Code 17	318	21 –	/	User Code 41	342
	/	User Code 18	319		/	User Code 42	343
	/	User Code 19	320	_	/	User Code 43	344
4.0	/	User Code 20	321	00	/	User Code 44	345
16 –	/	User Code 21	322	22 –	/	User Code 45	346
	/	User Code 22	323		/	User Code 46	347
					/	User Code 47	348
				00	/	User Code 48 /	349
				23 –		(Duress)	
				! L	Continues	n next section.	

Disarming (O	pening) Repo	ort Codes (reset c	ode "empty"):				
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
r	See previou	is section		<u> </u>	/	User Code 5	356
23 _	/	Auto / Espload	350		/	User Code 6	357
	/	Master	351	25 -	/	User Code 7	358
					/	User Code 8	359
	/	User Code 1	352	<u> </u>	/	User Code 9	360
24	/	User Code 2	353	-	/	User Code 10	361
24 –	/	User Code 3	354	26 -	/	User Code 11	362
	/	User Code 4	355		/	User Code 12	363



Alarm Report C	Codes For Z	ones 1 to 10 (18) †:		Alarm Restore	Report Cod	es For Zones 1 to 10 (1	l8) †:
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
_	/	Zone 1	400		/	Zone 1	424
	/	Zone 2	401		/	Zone 2	425
36 –	/	Zone 3/Fire zone* (fire address 100)	402	42 —	/	Zone 3/Fire zone* (fire address 100)	426
	/	Zone 4	403		/	Zone 4	427
	/	Zone 5/Fire zone**	404	_	/	Zone 5/Fire zone**	428
27	/	Zone 6	405	42	/	Zone 6	429
37 –	/	Zone 7	406	43 –	/	Zone 7	430
<u> </u>	/	Zone 8	407		/	Zone 8	431
	/	Zone 9	408		/	Zone 9	432
20	/	Zone 10	409	4.4	/	Zone 10	433
38 –	/	Zone 11 (738 Ultra only)	410	44 —	/	Zone 11 (738 Ultra only)	434
<u></u>	/	Zone 12 (738 Ultra only)	411		/	Zone 12 (738 Ultra only)	435
	/	Zone 13	412	_	/	Zone 13	436
20	/	Zone 14	413	45	/	Zone 14	437
39 –	/	Zone 15	414	45 —	/	Zone 15	438
738 Ultra only	/	Zone 16	415	738 Ultra only	/	Zone 16	439
40 —	/	Zone 17	416	40 -	/	Zone 17	440
40 —	/	Zone 18	417	46 —	/	Zone 18	441
41		Future Use	418 - 423	47		Future Use	442 - 447

^{* =} Fire zone for 4-wire smoke detectors or 2-wire smoke detectors (with no ATZ enabled—728 Ultra only).

^{** =} Fire zone for 2-wire smoke detectors (address 086, key [BYP]) only when ATZ is enabled (address 090, key [8]). Applies only to 728 Ultra.

^{† =} Zones 1 to 10 for the 728 Ultra and Zones 1 to 18 for the 738 Ultra

Zones 1 to 10 (18)† Shutdown Report Codes: Streamline Data Description **Address** Section Zone 1 448 Zone 2 449 Zone 3 450 Zone 4 451 Zone 5 452 Zone 6 453 Zone 7 454 Zone 8 455 Zone 9 456 Zone 10 457 Zone 11 (738 Ultra only) 458 Zone 12 (738 Ultra only) 459 Zone13 460 Zone 14 461 Zone 15 462 738 Ultra Zone 16 463 Zone17 464 Zone 18 465 738 Ultra only 466 - 471 53 Future Use

Streamline Section	Data	Description	Address
	/	Tamper 1	472
	/	Tamper 2	473
54 –	/	Tamper 3	474
	/	Tamper 4	475
	/	Tamper 5	476
	/	Tamper 6 (738 Ultra only)	477
55 –	/	Tamper 7	478
	/	Tamper 8 (738 Ultra only)	479
56 to 59		Future Use	480 - 495
= Zones 1 to 7	10 for the 720		
•	4, 5 and 7 ic 8 for 738 Ult	or 728 Ultra and	

	t Codes:						
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
_	/	Max. aux. current	496		/	Fire loop trouble	500
	/	Bell disconnect / max. bell current	497		/	Timer loss	501
60	/	Battery disconnect / low voltage	498	61	[2ND]/[2ND]	Future Use	502
	/	Power failure	499		[2ND]/[2ND]	Future Use	503
Trouble Resto	re Report C	odes:					
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Max. aux. current	504	_	/	Fire loop trouble	508
	/	Bell disconnect / max. bell current	505		/	Timer programmed	509
62	/	Battery disconnect / low voltage	506	63 –	/	Tamper / wiring fault	510
	/	Power failure	507		/	TLM restore	511
Special Repor	t Codes:						
Streamline Section	Data	Description	Address	Streamline Section	Data	Description	Address
	/	Test report	512		/	Duress	520
C 4	/	Panic 1	513	00	/	Closing Delinquency	521
64 –	/	Panic 2	514	66 —	[2ND]/[2ND]	Future Use	522
	,	Panic 3	515		[2ND]/[2ND]	Future Use	523
	/						
	/	Late to close	516	_	/	Login (Espload)	524
	/ /		516 517	67	/	Login (Espload) Program Change	524 525
65	/ / /	Late to close		67	/ / [2ND]/[2ND]	· · · · ·	_

Decimal Programming

The decimal programming method is used to program all of the system's timers. This method uses a 3-digit address from **044** to **061** and each address is programmed with a value from **000** to **255**.

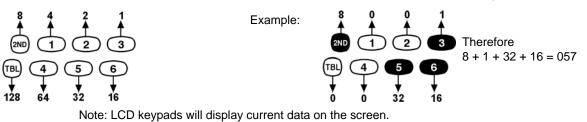
Table 5: Decimal Programming Method

- 1. Press [ENTER] + [INSTALLER CODE] (default 728 Ultra: 282828; 738 Ultra: 383838)
- 2. The [ENTER] key will flash to indicate that you are in programming mode (LED keypad only).
- 3. Enter 3-digit [ADDRESS] (044 to 061).
- 4. The keypad displays the current 3-digit data saved at this address as described in Figure 2 below.
- 5. Enter 3-digit [DATA] (000 to 255) and do not press [ENTER]. The software will automatically save the data.
- 6. Return to step 2 or press [CLEAR] to exit programming mode.

Address	Data	Description	Default
044	///	(hours) Auto arm time (between "000" and "023")	000
045	//	(minutes) Auto arm time (between "000" and "059")	000
046	//	(days or hours) Auto test report every? (between "001" and "254") (000 = disabled) If address 090 key [3] OFF = address 046 in days (see page 10)	000
		If address 090 key [3] ON = address 046 in hours (see page 10) 738 Ultra only: Enter "255" to enable a Timed Test Transmission when the system is armed or disarmed (see the "728 Ultra/738 Ultra Reference & Installation Manual" for more information)	
047	//	(hours) Auto test report (between "000" and "023") 738 Ultra only: (minutes) If address 046 = 255 and the system is armed, Armed Test Report (between "001" and "255")	000
048	//	(minutes) Auto test report (between "000" and "059") 738 Ultra only: (minutes) If address 046 = 255 and the system is disarmed, Disarmed Test Report (between "001" and "255")	000
049	/ /	(seconds) Exit delay	60 seconds
050	//	(seconds) Entry delay 1	45 seconds
051	//	(seconds) Entry delay 2	45 seconds
052	//	(minutes) Bell cut-off time	5 minutes
053	//	(x 15 ms) Zone speed	600 ms
054	///	(minutes) Power failure report delay (000 = disabled)	30 minutes
055	///	(x 15 minutes) No movement Auto-Arm time (000 = disabled)	Disabled
056	//	PGM timer setting (001 to 127 for seconds and 129 to 255 for minutes) Add 128 to desired value in minutes (i.e. for 5 minutes: enter 5 + 128 = 133)	5 seconds
057	//	Intellizone delay (in seconds, minimum = 10 seconds)	48 seconds
058	//	Installer code lock (147 = locked, 000 = unlocked). When Installer Lock is enabled on a control panel: For 4 seconds during power up, the STATUS LED flashes while the dialer relay opens and closes making a clicking noise.	Unlocked
059	//	(seconds) Programmable delay before alarm transmission (005 to 063 seconds) (000 = disabled)	Disabled
060	//	(seconds) Recent closing delay (000 = disabled)	Disabled
061	//	(days or hours) Closing delinquency timer (System A) If address 090 key [3] OFF = address 061 in days (see page 10) If address 090 key [3] ON = address 061 in hours (see page 10)	Disabled

Figure 2: Decimal Display For LED Keypads

Each key in the first 2 rows of the keypad represents a specific value when the key is lit, as shown below left. When the key isn't lit, the key represents 0. Add the values of the lit keys to obtain the entered data value as shown in the example below right.



Feature Select Programming

Addresses **062** to **126** are programmed using the Feature Select Programming method. In this method, every key on the keypad in each address represents an option or feature. Pressing a key will display it on the keypad and pressing it again will extinguish the key. The ON or OFF status of each key determines the selected feature. Addresses **080** to **085** are reserved for future use. To program using the Feature Select Programming method:

Table 6: Feature Select Programming Method

- 1. Press [ENTER] + [INSTALLER CODE] (default 728 Ultra: 282828; 738 Ultra: 383838)
- 2. The **[ENTER]** key will flash to indicate you are in programming mode (LED keypad only).
- 3. Enter 3-digit [ADDRESS] (062 to 126).
- 4. After entering the address, the keypad will display the feature selection status. Turn the keys ON or OFF by pressing the appropriate key until the desired options are set. Press the [ENTER] key to accept, there will be a confirmation beep indicating the options have been accepted. The [ENTER] key will flash to indicate that the software is awaiting the next address entry.
- 5. Return to step 3 to continue programming or press [CLEAR] to exit programming mode.

Table 7: Code Priority For System "A" / STAY

	KEY SELECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[0]	[STAY]	[AWAY]/ [FORCE]	[BYP]	[MEM]	[TRBL]	[2ND]
	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
062																	
	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
064																	
	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
066:																	

Table 8: Code Priority For System "B" / AWAY / FORCE

	KEY SELECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[0]	[STAY]	[AWAY]/ [FORCE]	[BYP]	[MEM]	[TRBL]	[2ND]
	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
068:																	
	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
070:																	
	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
072:																	

Table 9: Code Priority for Codes with Bypass Access

	KEY SELECT:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[0]	[STAY]	[AWAY]/ [FORCE]	[BYP]	[MEM]	[TRBL]	[2ND]
	User #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
074:																	
	User #:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
076:																	
	User #:	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
078:																	

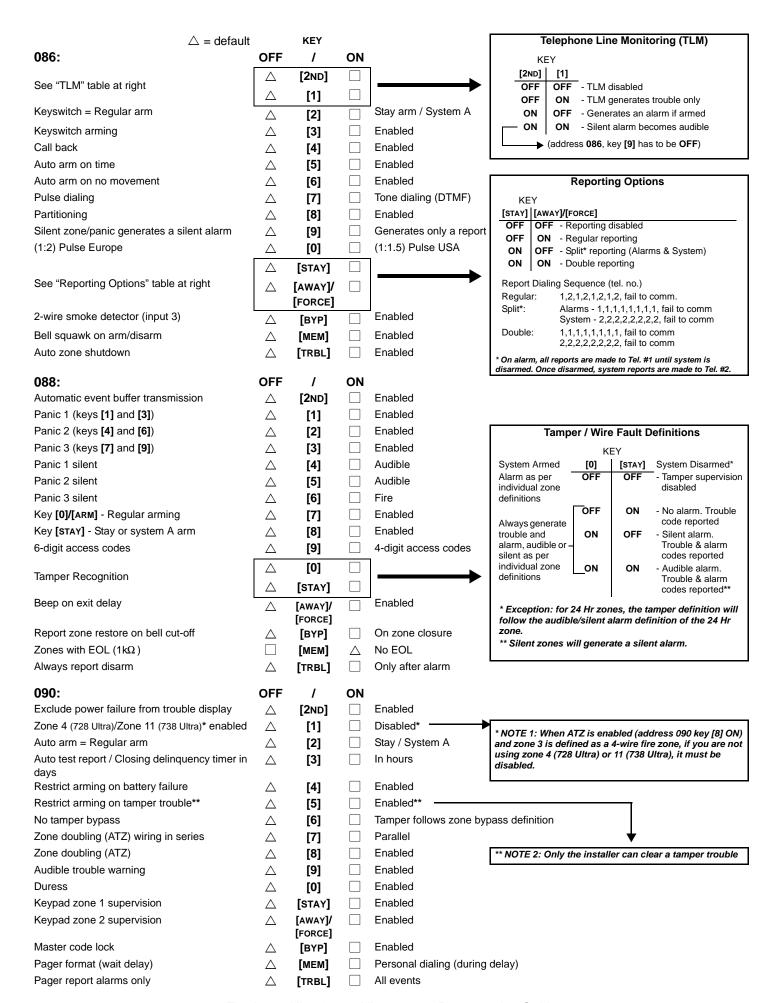


Table 10: Zone Definition

Addre	ess KEY SELECT:		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]		[STAY]	[FORCE]		[1]	[2]	[3]	[4]	[5]	[6]
Auuit	535 NET OLLLOT.		1,1	[-]	[2]	[-1	[0]	[0]	[,]	ſοΊ	[2]	[o]	[SIAI]	/[AWAY]		1.1	[4]	[0]	ניין	[0]	[0]
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
092:	Intellizone = ON	092:			П	П					П				094:						
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
096:	Silent = ON	096:	_	_		_			_						098:						
030.	Zone:	030.	1	2	3*	4	5	6	7	8	9	10	11	12	030.	13	14	15	16	17	18
400.	24Hr./Fire = ON	100:	_	_	ა 	4	- □	0	_	0	9			1Z	102:		14 —	13 —		I	10
100:		100:		+14	, 🗆			<u></u>		411					-				. 🗆		
∕!\	Keypad zones		A							4Hr, 11 P] = C		mes	a 4-wire	smoke dete	ctor fire 2	zone (2	-wire sm	юке аете	ector su	pport m	ust be
	cannot be set as 24Hr zones.											is ena	abled, zo	ne 3 can be	defined	as 24H	r (728 U	lltra only)).		
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
104:	Instant = ON	104:													106:						
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
108:	Follow = ON	108:													110:						
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
112:	Delay 2 = ON	112:													114:						
								SYS	TEM	Α/:	STAY	(if C	N, zone	is armed on	Stay or	'Syster	n A" arm	ning)			
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
116:		116:													118:						
									S	YSTI	ЕМ Е	if O	N, zone	is armed in	"System	B" arm	ing)				
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
120:		120:													122:						
	Zone:		1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18
124:	Bypass = ON	124:													126:						
	71																				
<u> </u>	Fire zones cannot be	bypas	ssed	.																	



Do not use the Intellizone feature and an entry delay for the same zone, otherwise an alarm may occur as a user tries to disarm the system. Zones that are not selected at addresses 100 to 112 (728 Ultra) or 114 (738 Ultra) become "Delay 1" zones.

Key Access Programming

Programs features quickly, without entering addresses or sections numbers. To activate Key Access Programming, press [ENTER] followed by the Installer code, Master code or User code 1 (code required depends on the desired feature; see below). Press the key corresponding to the desired feature. Press [ENTER] or [CLEAR] to exit. When communicating with Espload, it is impossible to enter programming mode.

Table 11: Key Access Programming

Key	Feature	Codes that can access feature
[8]	Installer Test Mode In Installer Test mode, a confirmation beep (intermittent) indicates that the test mode is enabled. A rejection beep indicates that the test mode is disabled. The bell will squawk during walk testing to indicate opened, functional zones.	Installer Code Only
[9]	"Auto Arming" Time Program Key [9] flashes. Enter 2-digit hour (00 to 23) and 2-digit minutes (00 to 59).	Installer Code, Master Code or User Code 1
[МЕМ]	Panel Time Programming [MEM] key flashes. Enter 2-digit hour (00 to 23) and 2-digit minutes (00 to 59).	Installer Code, Master Code or User Code 1
[BYP]	Test Report Reporting is enabled at address 086 , keys [STAY] and [AWAY]/[FORCE] (see page 10). A value must be entered at address 512 (page 7) and both telephone and account numbers must be programmed.	Installer Code, Master Code or User Code 1
[TRBL]	Call Espload Via Telephone Panel identifier and PC password (addresses 004 to 007 on page 3) and computer telephone number (addresses 008 to 015 on page 3) must be programmed.	Installer Code, Master Code or User Code 1
[AWAY]	Answer Espload This feature is available when using the ADP-1 adapter. In Espload, "blind dial" must be activated in the "modem setup" section and panel phone number programmed.	Installer Code, Master Code or User Code 1
[STAY]	Cancel Communication Attempts Until next reportable event.	Master Code/User Code 1 only cancel calls to Espload The Installer Code can cancel all communications

Connection Diagrams

The system hardware will recognize the following zone conditions:

Single Zone Connections

Figure 3: N.C. Contacts, without EOL Resistor

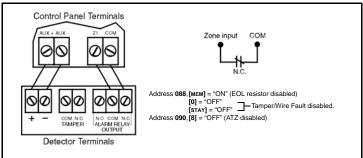


Figure 5: N.O. Contacts, with EOL Resistor (UL/cUL)

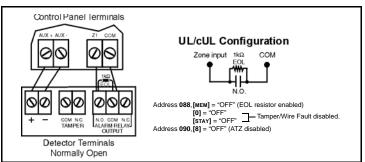


Figure 7: N.C. Contacts, with EOL resistor, with Tamper and Wire Fault Recognition (UL/cUL)

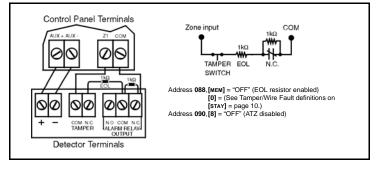


Figure 4: N.C. Contacts, with EOL Resistor (UL/cUL)

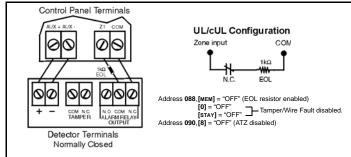
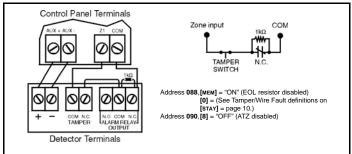


Figure 6: N.C. Contacts, without EOL Resistor, with Tamper Recognition



Advanced Technology Zone (ATZ) Connections

Figure 8: N.C. Contacts, without EOL Resistor

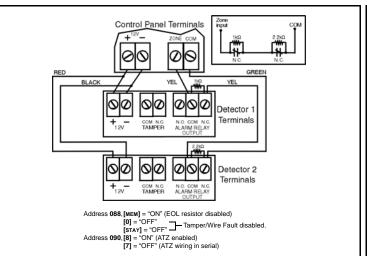


Figure 9: N.C. Contacts, without EOL Resistor, with Tamper Recognition

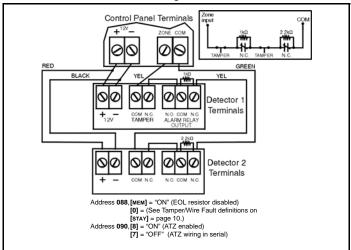


Figure 10: N.C. Contacts, with EOL Resistor, with Tamper and Wire Fault Recognition (UL/cUL)

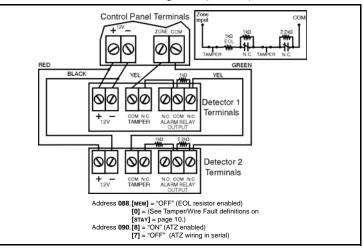
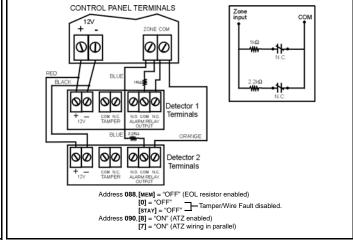


Figure 11: Parallel Wiring



Other Connection Diagrams

Figure 12: Connecting Keypad Zone(s)

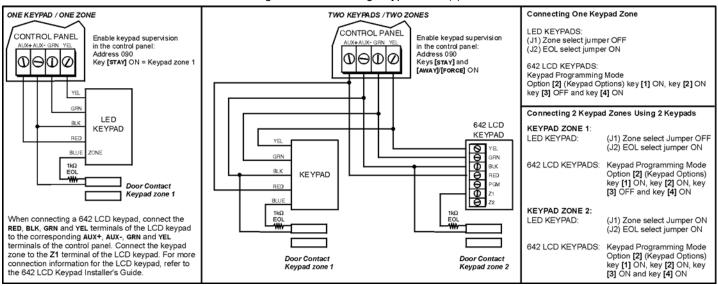


Figure 13: LED Keypad Anti-tamper Switch Connection

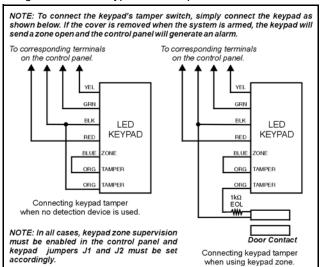


Figure 14: PGM Output Relay

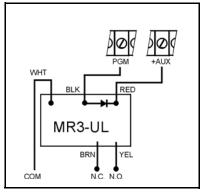


Figure 15: Ground Start Circuit

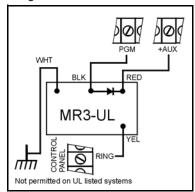


Figure 16: 4-Wire Smoke Detector Connections (Fire Zone)

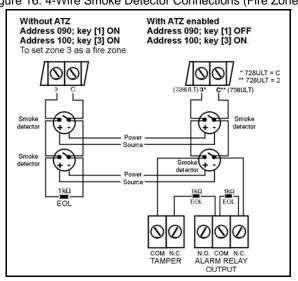


Figure 17: 4-Wire Smoke Detector Fire Reset

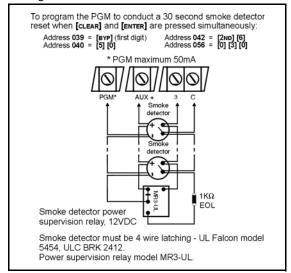
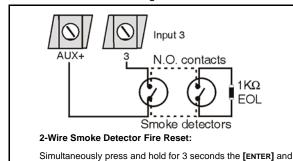


Figure 18: 2-Wire Smoke Detector Connections (Fire Zone)



Address 086; key [BYP] ON (728 Ultra)

Connect the two-wire smoke detector to input 3. Without ATZ, zone 3 is used by the two-wire smoke detector. With ATZ enabled, zone 5 is used by the 2-wire smoke detector and zone 6 will be disabled automatically.

Address 086; key [BYP] ON (738 Ultra)

Connect the two-wire smoke detector to input 3. Zone 3 is used by the two-wire smoke detector. With ATZ enabled, zone 11 will be disabled automatically.

UL Warnings. For UL/cUL installations:

[CLEAR] keys on any keypad to conduct a 30 second reset.

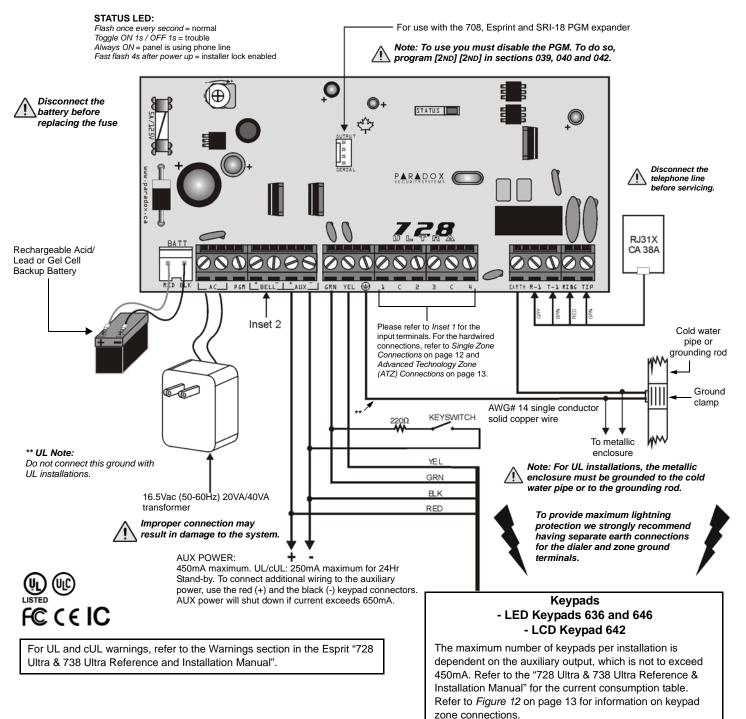


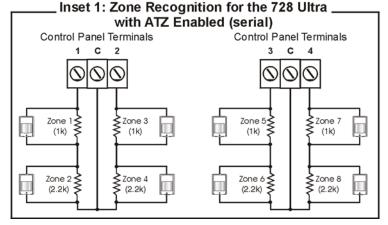
- The operating voltage of the fire circuit must be between 11 to 12Vdc.
- Use only the Hochicki model SLR 835BH-2 2-wire smoke detector.
- 2-wire smoke detectors of different models other than the Hochicki model are not to be used.
- Both the 728 Ultra and the 738 Ultra control panels support a maximum of five 2-wire smoke detectors per control panel.

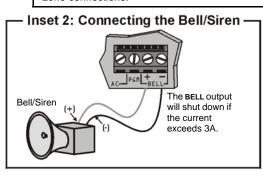


It is recommended that the smoke detectors be connected using a daisy chain configuration.

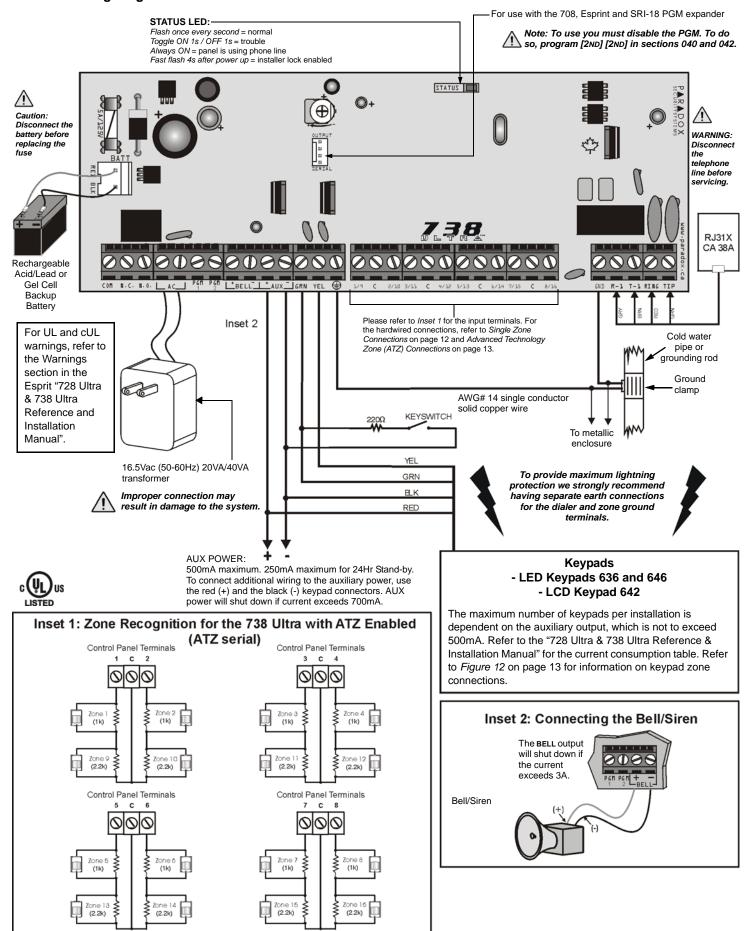
728 Ultra Wiring Diagram







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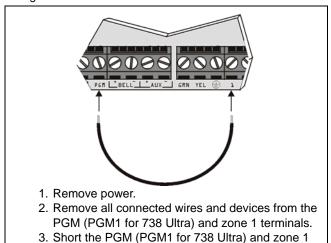


Power Down Reset

Performing a power down reset will set the Installer and Master codes to factory default. Values entered at addresses **008** to **043**, **062** to **124**, **300** to **527** and all user codes will be set to factory defaults. Programmed values at addresses **003** to **007** do not change. To perform a reset, the installer lock must be disabled. To perform a power down reset perform the following:

- 1. Verify installer lock is disabled.
- Remove the battery and AC power from the control panel.
- 3. Remove all connected wires and devices from the PGM (PGM1 for 738 Ultra) and zone 1 terminals.
- 4. Short the PGM (PGM1 for 738 Ultra) and zone 1 terminals with a wire.
- 5. Reconnect the AC and battery power to the control panel.
- 6. Wait for 10 seconds and remove the wire.

Figure 19: Power Down Reset for 728 Ultra or 738 Ultra



4. Reconnect power.

terminals.

5. Wait 10 seconds and remove wire.

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Notwithstanding the preceding paragraph, the Seller's maximum liability will be strictly limited to the purchase price of the defective product. Your use of this product signifies your acceptance of this warranty.

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