



VISTA – 12a / 48a
TECHNICAL TRAINING

***The Best in Security plus
Everyday Convenience & Control***

VISTA – 12a / 48a

Training Guide Index

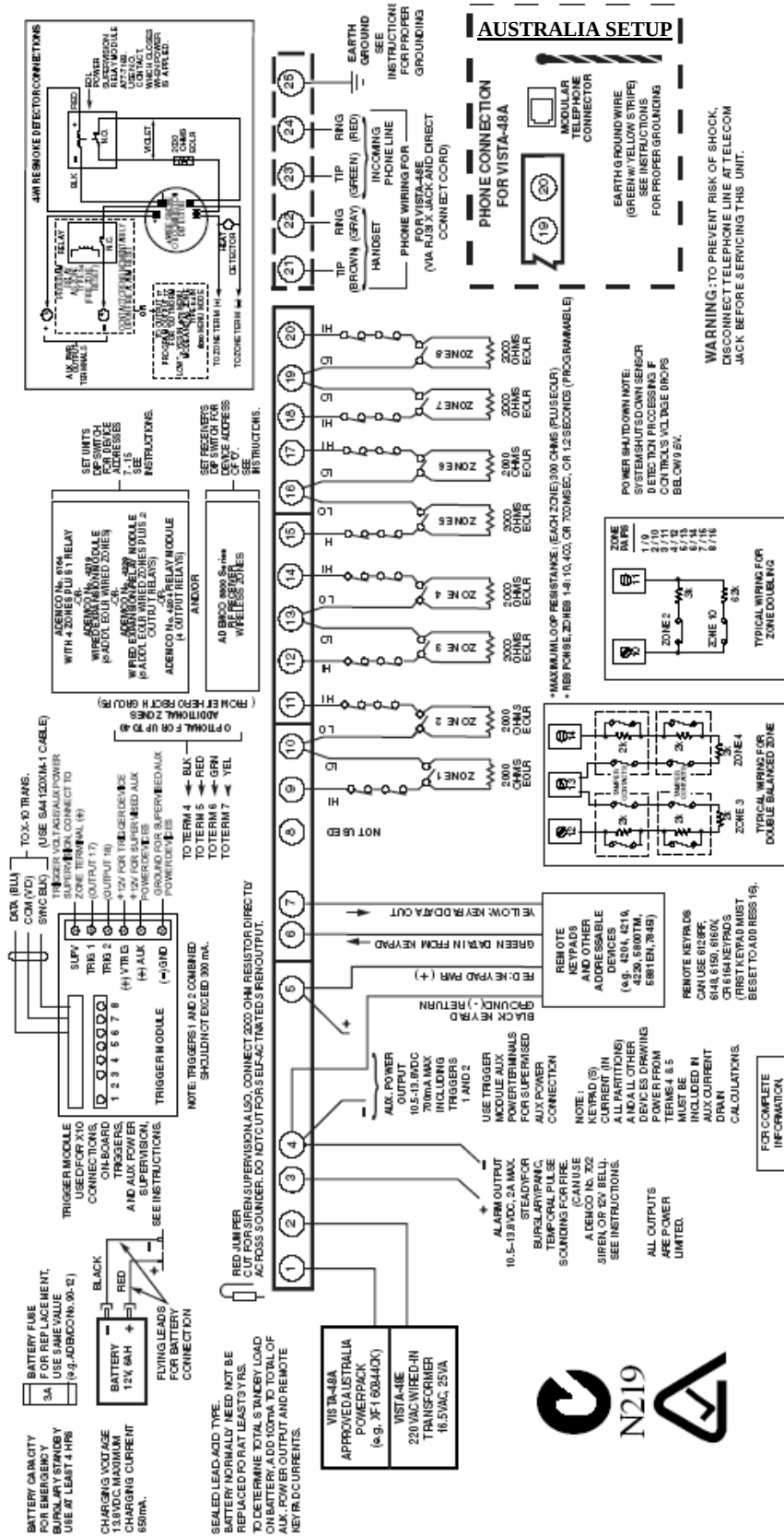
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Vista 12a/48a/120aP2 Features

		Vista 12A	Vista 48a	Vista 120aP2
SYSTEM CAPACITY	Maximum Zone Capacity	22	48	128
	Std. Hardwired Zones (w/zone doubling)	6 (12)	8 (16)	9
	Maximum Hardwired Expansion	8	40	119 (V-Plex)
	Maximum Wireless Expansion	16	40	127
	Wireless Key zones (do not use Alarm zones)	16	16	–
	Partitions	2 + common	3	8
	User Codes	16	48	150
	Event Log (Vista key added)	254	254	224 (512)
	Keypads	8	8	16
	Maximum Number of Schedules	8	32	20
FALSE ALARM PREVENTION FEATURES	Exit Delay Reset	✓	✓	–
	Exit Delay Countdown	✓	✓	–
	Cross Zoning/Linked Zone	✓	✓	✓
	Alarm Verification - Fire	✓	✓	✓
	Swinger Shutdown	✓	✓	✓
	Unvacated Auto-Stay	✓	✓	–
	Alarm Cancel Verification	✓	✓	✓
SYSTEM CONFIGURATION	Printer Support Serial	–	–	✓
	Scheduling	✓	✓	✓
	Real Time Clock	✓	✓	✓
	Temporal Bell	✓	✓	✓
	Bell Supervision	✓	✓	✓
	On-Board Triggers	2	2	0
	Relays Supported	4	16	96
	X-10 Devices Supported	✓	✓	✓
	Double Balanced Zones	✓	✓	–
	Dynamic Zone types	4	4	–
ADDITIONAL FEATURES	Graphic Keypad Support	2	2	3
	Single Button Arming	✓	✓	✓
	Step Arming	✓	✓	–
	Exit count down timer	✓	✓	–
	Keyfob Arm / Disarm Strobe flash	✓	✓	–
	Quick Exit	✓	✓	–
	Keypad Macros	2	4	4
	Viewable Event Log at Keypad	✓	✓	✓
	Time & Date Display	✓	✓	–
	Auto Arm/Disarm	✓	✓	✓
	X10 Powerline carrier support	✓	✓	✓
CONVENIENCE FEATURES	Master Console	–	–	✓
	Global Arming	✓	✓	✓
	Cross Partitioning (goto)	✓	✓	✓
	"Night" Arming	✓	✓	–
	RF Supervision by Transmitter	✓	✓	✓
	Common Lobby Logic	✓	✓	✓
	Configurable Zone Type	✓	✓	–
	Keyswitch Arming	✓	✓	✓
	User Access Schedules	✓	✓	✓
	Output Device Schedules	✓	✓	✓
	Panel Linking	–	–	8 Panels
	Access Control	–	–	8 Doors
	Access Card holders	–	–	250
	Follow-me Dialling	✓	✓	–
	Daylight savings auto. clock adjustment	✓	✓	✓
	Up & About Feature	✓	✓	–
	Internet / Intranet Monitoring	✓	✓	✓
TECHNICAL SPECIFICATION	ALARM OUTPUT	2 Amp	2 Amp	2.8 Amp
	Aux Oput	700 mA	700 mA	750 mA

VSPECDS Mar05

2. Wiring Diagram



Power Up:
-A/C Required for Power Up

To Power up on Battery:
Temporarily place jumper between:
-Terminal 4 (Aux -)
-Battery (-)

ADEMCO VISTA-48A / VISTA-48E
SUMMARY OF CONNECTIONS

V48 A.V48E-50C.V

Wiring Diagram Continued

Strobe Output:

At Default - No programming is required for the Strobe function

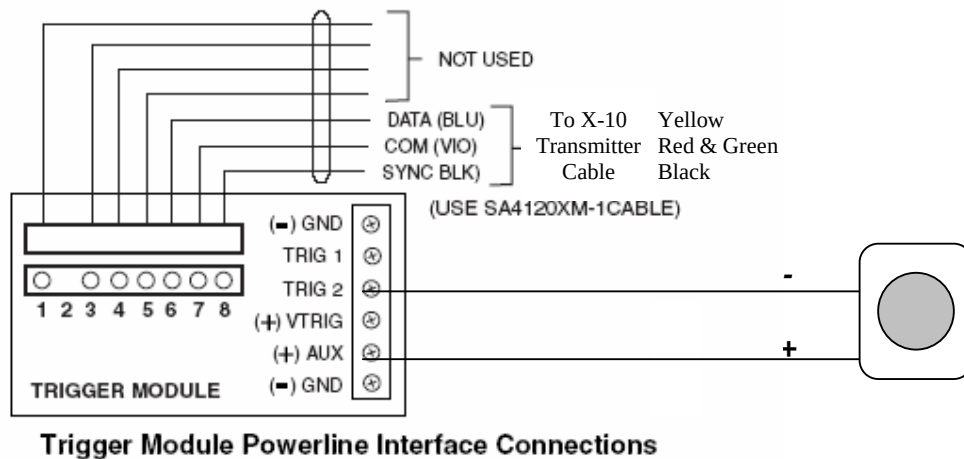
- Strobe will activate on Alarm
- Strobe will reset at Disarm or after 7 days, whichever occurs first (Field *177)
- Program Field *38 defaulted for Strobe Flash on Arm / Disarm
 - o Arming 2x 4secs strobe flashes
 - o Disarming 1x 4 secs strobe flashes

Relay Device 18 (On-board Trigger2) programmed for Strobe Output

VISTA12a: - Output Nos. 11 & 12 programmed for Strobe activation

VISTA48a: - Output Nos. 47 & 48 programmed for Strobe activation

Strobe & X10 Wiring Connection



STROBE WIRING:

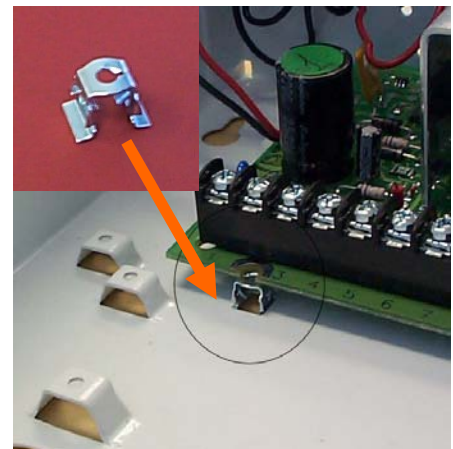
Connect positive leg of Strobe to (+) AUX of the Trigger module

Connect negative leg of Strobe to Trig 2 of the Trigger Module

AUX Output + Trigger 1 + Trigger 2 = 700mA max

V12 mother board installation

1. Remove small silver saddle from accessory bag.
2. Insert silver saddle through small square cutout in metal cabinet – from the rear.
3. Place V12 motherboard with top edge at the top of the cabinet resting between horizontal slots
4. Line up motherboard so that bottom left corner mounting hole sits on silver saddle hole
5. Screw motherboard down using self tapping screws from accessory bag.



3 Quick Programming Guide

DEFAULT SETTINGS

DESCRIPTOR	Domestic	Commercial
Installer code (*20)	4112	4112
Master Code	1234	1234
Quick arming enabled (*21)	Y	N
Siren output (*33)	3 mins	3 mins
Strobe Output (*177)	Disarm or 7 Days	Disarm or 7 Days
Exit delay (*34)	60 Secs	60 Secs
Entry delay #1 (*35)	15 Secs	15 Secs
Entry delay #2 (*36)	30 Secs	30 Secs
Audible exit warning (*37)	N	Y
Contact ID Reporting Format	Y	Y
Bypass reporting (*61)	N	Y
Open / Close reporting (*65/66)	N	Y
Cancel report (*68)	Y	N
Test reports	WEEKLY	DAILY

ZONE PRESETS

ZONES	ZONE TYPE	Active in STAY Arming
Zone 1	Entry / Exit Zone	Y
Zone 2	Interior (Handover)	N
Zone 3	Perimeter Zone	Y
Zone 4	Perimeter Zone	Y
Zone 5	Perimeter Zone	Y
Zone 6	Perimeter Zone	Y
Zone 7 (V48a only)	Perimeter Zone	Y
Zone 8 (V48a only)	Perimeter Zone	Y
Zone 99 (* #) keypad panic	24Hr Audible	Y

PROGRAMMING

- Set Console Address:** (Each console must have separate Address)
 - Power up Keypad
 - Hold 1 & 3 keys down (5 secs)
 - Change address to 16 (Keypad enabled automatically to Partition 1)
 - Press (to save (All within 30 secs)
- Enter Programming Mode:** Default Installer Code **4112 8 00**
- Factory Default Panel:**
 - * 9 7 1 * (Domestic Options)
 - * 9 7 2 * (Commercial Options)
 - * 9 7 3 * (User Codes Only)
- Make programming changes:**

	Address	EG:
■ New Installer Code	* 20	2 5 8 3
■ Primary Primary Phone No.	* 41	1 3 0 0 4 5 8 9 3 2 *
■ Secondary Secondary Phone No	* 42	1 3 0 0 4 5 8 9 3 2 *
■ Partition 1 Primary Subs Acct. No.	* 43	3 5 8 1 *
■ Partition 1 Secondary Subs Acct. No.	* 44	3 5 8 1 *
- Exit Programming:** * 99
- Change Master Code:**
(Existing Installer code) **4 1 1 2 8 02 ? ? ? ?** (New M/code)
- Set Panel Clock**
1 2 3 4 (User code) # 63 *

Zone List 12 (Exit Zones)

Zones 1 & 2 are automatically entered at default.

To program for a full Seal only at Arming

- * Program Exit Options *88 = (0) All zones must be intact before Arming

Quick Programming Guide Cont.

CHANGING ZONE TYPE PROGRAMMING:

1. Enter Programming Mode: Default Installer Code 4112 8 00

2. Enter Zone Programming: * 5 8

3. Make Programming changes:

- Answer 'NO' to Set to Confirm 0
- Enter Zone No. Required (Zone 6) 0 6 *
- New Zone Type (24 hr Audible) 0 7 *
- Save Information press *
- Exit *58 Zone programming Menu 0 0 *

4. Exit Programming: * 99

ZONE TYPE OPTIONS

Armed in stay mode

00 = Not Used

01 = Entry/Exit

02 = Entry/Exit 2

03 = Perimeter

24 = Silent Burglary

Disarmed in stay mode

04 = Interior Follower

10 = Interior with delay

24 hour zone types

05 = Trouble Day/Alarm Night

06 = 24hr Silent

07 = 24hr Audible

08 = 24hr Auxiliary

09 = Supervised Fire Zone

12 = Monitor Zone

14 = 24hr Gas Monitor

15 = Medical

16 = Fire with Verification

Changing the New Master Code:

- Existing Master code + 8 + 02 + New Master code + New Master code

Adding a New User Code:

- Master code + 8 + 2-digit user No. + New User's code

Users 03 – 24 automatically assigned to Partition 1 (Vista 12a Only – 16 Users)

Users 25 – 40 automatically assigned to Partition 2

Users 41 – 48 automatically assigned to Partition 3

Deleting a New User Code:

- Master code + 8 + 2-digit user no. + # + 0

4. MENU MODES SUMMARY

INSTALLER MODE PROGRAMMING:

*56 – Zone Programming

*57 – Function Key Programming

*58 – Key fob Expert programming

*79 – Output Device programming

*80 – Output Function Programming

*81 – Zone List Programming

General Purpose Zone Lists – 1,2,6,7,8,9,10,11

Chime by Zone – 3

Linked Zones - 4

Night Stay - 5

Exit Zones – 12 (Enter zones allowed to be unsealed at time of Arming system)

*82 – Alpha Programming

END USER MODE PROGRAMMING:

#60 – View Event Log

#61 – Follow Me Local Dialling (Alpha Numeric Keypad)

#62 – Follow Me Local Dialling (Fixed English Keypad)

#63 – Control Panel Clock

#64 – Scheduling Mode Programming (User Code dependent)

#66 – Macro Programming

5. *56 Zone Programming

*56 Vista12a / 48a Zone Programming Guide

Ver 001 (1-9-04)

Zone No.	Zone Type	Partition No.	Alarm Report Code	HW Type	Response Time	Input Type RF	Transmitter Serial Number	Loop No.
	*	*	*	*	*	*		*

Enter * 56 Zone programming & Answer NO to "Set to Confirm"

Zone Number to be entered

01-08 Panel Hardwired zone

09-16 Zone doubling/4219/4229 hard wired

17-24 4219/4229 hard wired

25-32 4219/4229 hard wired

33-40 4219/4229 hard wired

41-48 4219/4229 hard wired

09-48 Wireless Transmitter zones

49-64 Wireless Button Zones

91 Address device report enable

92 Duesess Report Enable

95 (1 + *) panic - A key

96 (3 + #) panic - C key

99 (* + #) panic - B key

0100 - Enable Code
0000 - Disable code

Enter Partition No.
Options are 1-3

***30 Option to make Partition 3 a common area in Y48a**

0 = 10 mSec
1 = 400 mSec
2 = 700 mSec
3 = 1.2 Seconds

2 = AW (aux wired zone)
3 = RF (Supervised)
4 = UR (Unsupervised)
5 = BR (Unsupervised Button)
7 = RM (Supervised RF Motion)

Serial number of device to be enrolled

Enter Transmitter loop number .
Options are 1-4 depending on device (see loop number information)

Vista 12a / 48a Zone Programming Guide

0 = EOL
1 = NC
2 = NO
3 = ZB Zone Doubling
4 = DB Double-Balanced

Armed in stay mode

00 = Not used

01 = Entry/ Exit

02 = Entry Exit 2

03 = Perimeter

24 = Silent Burglary

Disarmed in stay mode

04 = Interior Follower

10 = Interior with delay

Key Fob Zone types

20 = Arm Stay

21 = Arm Away

22 = Disarm

23 = No alarm response

Loop Numbers

Loop 1
Reed switch external contacts
PIR'S, Glass break sensors
Panic buttons

Loop2
Reed switch built in reed

Loops 1-4 5804 Key fob
(Right hand bottom is 1 then anti clockwise is 2,3 &4)

Loops 1-4 5804BD
(Right hand bottom is 1, ruddle is 2, far left is 3 & far right is 4)

6.1 Hard wired Expansion Training Module

Hard Wired Expansion:

DEVICE	Uses Address	Reports as	Enabled by ...
Zone Expanders: 4219 / 4229 / 6164 Zones & Relay			*56 Zone Programming
Zones 09 - 16	07	107	Available if Zone Doubling not used
Zones 17 - 24	08	108	Use for Vista 12a Hard wired expansion
Zones 25 - 32	09	109	Automatic when Zones entered as AW type
Zones 33 - 40	10	110	Automatic when Zones entered as AW type
Zones 41 - 48	11	111	Use with 4219 expanders only as AW type
Relay Modules: 4204 / 6164			*79 Output device programming
Module 1 / 6164 relay only	12	112	Entered at Device address prompt
Module 2 / 6164 relay only	13	113	Use for Vista 12a
Module 3 / 6164 relay only	14	114	Entered at Device address prompt
Module 4 / 6164 relay only	15	115	Entered at Device address prompt

Expander Installation & Programming:

- Only **ONE** hard wired module can be used on Vista 12a (Must be set to Device # 8)
- Connect the Expansion Module across the console bus.
- Set the dipswitches for the required Address.
- Program All zones through Address “***56**”.
- Enter input Type as ‘2’ AW (Aux Wired)
- Address #11 can only be used for 4219 expander

6164 Options:

- Zones & Relay Module (V12a use address #08; V48a uses addresses #07 –10)
 - Takes 1 Expansion slot (4 Zones only)
 - Takes 1 Relay Slot (1 Relay only)
- Relay Only (V12a use address #13; V48a uses addresses #12 –15)
- Address #11 can not be used for 6164 expander

4229 Options:

- Zones & Relay
 - Takes 1 Expansion slot (8 Zones)
 - Takes 1 Relay Slot (2 Relays only)
- Combines:
 - Zones 09 – 16 & Relay Module 1 = Address #07
 - Zones 17 – 24 & Relay Module 2 = Address #08 (Must use for Vista 12a)
 - Zones 25 – 32 & Relay Module 3 = Address #09
 - Zones 33 – 40 & Relay Module 4 = Address #10
 - Address #11 can not be used for 4229 expander

6.2 Wireless Expansion Training Module

- **Vista12a**
 - **16 Zones Wireless + 16 key fob zones**
- **Vista48a**
 - **40 Zones Wireless + 16 key fob zones**

5881H Wireless Receiver Installation & Programming:

- Power Down the Control Panel
- Only **ONE** Wireless Receiver can be used on each System
- Connect the 5881 (radio receiver) across the console bus.
- Set the 5881 dip switches for address "0" (all switches OFF).
- Power Up the Control Panel
- Program Addresses:
 - ***22** RF Jam Options (Disabled at Default)
 - ***24** RF House ID Code (Disabled at Default)
 - ***25** Arming Prevention override (Tamper will prevent Arming)
 - ***67** RF Low Battery Report Code (Enabled at Default)
 - ***75** RF Low Battery Restore Report Code (Enabled at Default)
 - ***173** RF Reporting Options (0 = none at Default)
 - ***178** RF Supervision / RF Jam Option (none at Default)
- Program Wireless zones through Address "***56**". (**Zone Programming**)
- Wireless zones start at Zone 9.
- If Zone Doubling is being used, then start at Zone 17.
- Wireless Receiver fault reports as Zone 100

Wireless Expansion Cont... Training Module

RANGE TESTING

- Enter GO/NO GO test mode 4112 (Installer Code) # 4
- Ensure radio receiver is placed in the correct location
(Do not fit receiver until Range Test successfully completed)
- Check receiver LED for interference
- After range Testing enter "Code" + "OFF" to exit test mode.

RANGE TEST EACH TRANSMITTER LOCATION (Must be performed prior to Fitting Off)

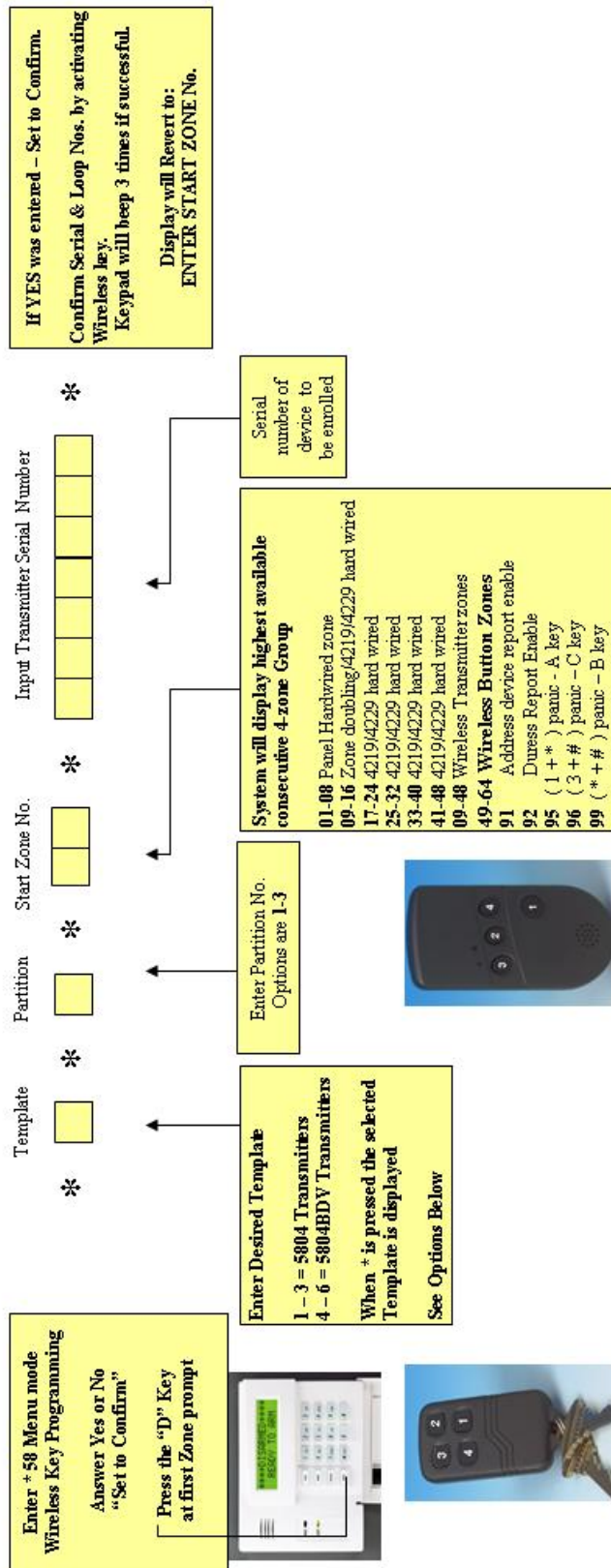
5883H Wireless Receiver/Transmitter Module Additional Installation & Programming:

- 5883H required for the following Bi-directional devices:
 - 5804BDV (remote)
 - 5828V (fixed English Keypad)
 - 5839 (Alpha Numeric keypad)
- Only **ONE** Wireless Receiver can be used on each System
- Connect the 5883H (radio receiver / transmitter module) across the console bus.
- Set the 5883H dip switches:
 - Address "0" (Switches 2,3,4 OFF)
 - To ENABLE 5800TM, set dipswitch 6 to ON .
- Additional Panel Programming Addresses:
 - ***24** RF House ID Code (Disabled at Default)

6.3 *58 Wireless Key Fob Programming

Ver.001 (1-9-04)

*58 Vista12a / 48a Expert Programming Mode



5804 Wireless Key Transmitter

For 5804				For 5804BD			
TEMPLATE 1	Loop	Function	Zone Type	TEMPLATE 4	Loop	Function	Zone Type
TEMPLATE 2	1	No Response	23	TEMPLATE 5	1	No Response	23
	2	Disarm	22		2	No Response	23
	3	Arm Away	21		3	Arm Away	21
	4	No Response	23		4	Disarm	22
TEMPLATE 3	Loop	Function	Zone Type	TEMPLATE 6	Loop	Function	Zone Type
	1	No Response	23		1	No Response	23
	2	Disarm	22		2	Arm Stay	20
	3	Arm Away	21		3	Arm Away	21
TEMPLATE 3	Loop	Function	Zone Type	TEMPLATE 6	Loop	Function	Zone Type
	4	Arm Stay	20		4	Disarm	22
	1	24-hour audible	7		1	24-hour audible	7
	2	Disarm	22		2	Arm Stay	20
TEMPLATE 3	Loop	Function	Zone Type	TEMPLATE 6	Loop	Function	Zone Type
	3	Arm Away	21		3	Arm Away	21
	4	Arm Stay	20		4	Disarm	22

Wireless Keys:

- A key is not active until it is assigned to a User No.

Part/Master Code + 8 + User No. + # + 4 + Zone No.

6.4 5827 Wireless Keypad *Training Module*

- Connect 5882 wireless receiver across the console bus.
- Set the 5882 dip Switches for address "0" all switches OFF).

Enter Panel Programming

- Program location *24 and program the RF house ID. For each Partition
- 2-digit entry is required. (Between 01-31)
- A separate House ID can be programmed for each partition
- It is advisable that House Codes 01, 10 & 31 not be used as these are most frequently used by Installers not doing a House ID sniffer mode test.

5827 Programming

- Set the "house ID" code as programmed in Address *24, onto the Dipswitches fitted in the 5827 to match the required Partition.

(Battery must not be connected when setting house ID, Apply battery after dipswitches are set)



6.5 5828V Fixed English LCD Wireless Keypad Training Module

- **ONLY OPERATES ON PARTITION 1**
- Must use a 5883H Receiver/Transmitter module
- Connect 5883 wireless receiver across the console bus.
- Set the 5883H dip switches:
 - Address "0" (Switches 2,3,4 OFF)
 - To enable 5800TM, set dipswitch 6 to ON .

Enter Panel Programming

- Program location *24 and program the RF house ID. For Partition 1
- 2-digit entry is required. (Between 01-31)
- A separate House ID can be programmed for all partitions (If using 5804 BDV's)
- It is advisable that House Codes 01, 10 & 31 not be used as these are most frequently used by Installers not doing a House ID sniffer mode test.

Enter 5828V Programming

- Enter Keypad Installer Mode:
 - Hold 1 & 3 keys simultaneously for five seconds
 - Display will alternate (00) (- -)
- Restore Factory Defaults
 - Press **7**
 - Display flashes (EE)
 - Press **1**
- Program House ID code
 - Press **1**
 - Display flashes (t1) (House ID)
 - Enter two-digit House ID programmed into Field *24
 - Press * to continue
- Program Wireless Protocol
 - Press **5**
 - Display flashes (t5) (0 or 1)
 - Press **1** to enable correct wireless protocol
 - Press * to continue
- Exit Programming Mode:
 - Press * when display shows alternating (00) (- -)

6.6 Street Smart Remote Programming

Control Panel Programming:

- Program Field *190 as a keypad (**Street Smart remote must use Address #17**)
- Program Field *38 to enable keypad to flash strobe on arm/disarm (if required)
- To reset Alarm system after activating Keyfob Panic
 - Use Hardwired keypad
 - Press Arm button twice

Street Smart Programming:

- Unplug Receiver from the Wiring Harness
- Connect wiring to Keypad Bus.
- Power Up Alarm Panel
- Program a User Code into the Panel
 - o This code must not be changed or Unit will not function
- Plug the Receiver into the Wiring harness
- Observe the LED - **Wait for:**
 - 1 Flash**
 - 2 sec pause**
 - 6 Flashes (It has now recognised an Addressable Vista Panel)**
- Press & hold Program Button
 - LED comes on for 3 Seconds**
 - Led then turns Off**
- Release the Program Button
 - LED starts flashing rapidly**
- From a Keypad enter the valid 4 digit user code
 - LED Turns Off**

HOW TO ENROL EXTRA REMOTE KEYS – (Up to 7)

1. Press & Release the program button on the Receiver
2. Immediately Press Button 1 (largest Button) on the remote THREE TIMES
LED should turn Off indicating the remote has been learned

HOW TO DELETE REMOTE KEYS

1. To Delete a remote – ALL Remotes must be deleted from the Receiver
2. Press & Hold the program button
 - The LED will come on for 4 seconds
 - Then go OFF
 - Finally it will come on again – indicating all the Remotes in memory are deleted
3. Release the program Button

7.1 Adding a Keypad

Device	Uses Address	Reports as	Enabled by ...
AUI 1	01	101	Data field *189
AUI 2	02	102	Data field *189
Keypad 1	16	116	Set to Partition 1 , All sounds enabled
Keypad 2 / Streetsmart Rx	17	117	Data field *190
Keypad 3	18	118	Data field *191
Keypad 4	19	119	Data field *192
Keypad 5	20	120	Data field *193
Keypad 6	21	121	Data field *194
Keypad 7	22	122	Data field *195
Keypad 8	23	123	Data field *196
Telecommand Voice Module	17 - 23	117 - 123	Same as Keypad Data Fields to enable

Set Keypad Address: (Each console must have separate Address)

- Power up Keypad
- Hold 1 & 3 keys down (5 secs)
- Change address (See Table Above)
- Press * to save (All within 30 secs)

Touch Screen Keypads (AUI's) - Control Panel Programming:

- Requires a LCD keypad to Start programming
 - Program *189 (two entries required)
 - First Entry AUI #1's home partition – Must set AUI device address to 1
 - Second Entry AUI #2's home partition – Must set AUI device address to 2
- 0** = disabled
1 = Partition 1
2 = Partition 2

LCD Keypads - Control Panel Programming:

- Keypad 1(Factory Preset & enabled) – Set keypad to device Address #16
 - Automatically set to Partition 1 & No Sound Suppression
 - Program *190 – Keypad 2 – Set keypad to Device Address #17
 - Program *191 – Keypad 3 – Set keypad to Device Address #18
 - Program *192 – Keypad 4 – Set keypad to Device Address #19
 - Program *193 – Keypad 5 – Set keypad to Device Address #20
 - Program *194 – Keypad 6 – Set keypad to Device Address #21
 - Program *195 – Keypad 7 – Set keypad to Device Address #22
 - Program *196 – Keypad 8 – Set keypad to Device Address #23
- 1st Entry** = Partition No.
0 = disabled
1 = Partition 1
2 = Partition 2
3 = Partition 3
- 2nd Entry** = Sound
0 = No suppression
1 = Suppress arm/disarm & E/E beeps
2 = Suppress chime beeps only
3 = Suppress arm/disarm & E/E & chime beeps

7.2 Programming keypad Function Keys

Function keys:

- 4 keypad function Keys
- Each Function Key can Perform one of 12 system operation
- Function Key can be assigned to any Partition



*** 57 Menu Mode Programming:**

- From Installer programming mode
- Enter * 57 to enter Function Key Programming mode
- Press the desired function Key
 - A, B, C, or D
- Enter the partition in which the function key is active
 - 1, 2, or 3

- **Enter the desired function from the List Below:**

00 The following Applies (Defaulted as Standard)

- If A is selected = Zone 95 - emergency key, same as **1 ***
- If B is selected = Zone 99 - emergency key, same as *** #**
- If C is selected = Zone 96 - emergency key, same as **3 #**
- If D is selected = Single-Button Paging

01 Single-button paging (sends a 999-9999 message to pager)

02 Display Time

03 Arm AWAY

04 Arm STAY

05 Arm NIGHT-STAY

06 Step Arming – STAY > NIGHT-STAY > AWAY

07 Output Device Command

08 Communication Test (sends Contact ID code 601)

09 Macro Key 1 (Define macro by User code # 66 command) – Vista12a only

10 Macro Key 2 (Define macro by User code # 66 command) – Vista 12a only

11 Macro Key 3 (Define macro by User code # 66 command)

12 Macro Key 4 (Define macro by User code # 66 command)

(Please Note: Vista 12a has 2 Macros; Vista 48a has 4 Macros available per system)

7.3 Macro Programming

Macros:

- A macro key is a convenience key that can activate up to 16 keystrokes
- Typical Functions:
 - o Arming sequences
 - o Bypassing zones
 - o Turning on/off Electrically operated devices
- Vista12a - 2 macros per system
- Vista48a - 4 macros per system
- System Master code is used to define macros
- Installer has to program the keys that are to be assigned macros

Define Macro Keys:

- System Master Code + # **6 6**
- Enter the Macro Number (1-4) – Panel dependent
- Press * to define a Macro (Any other key will exit this mode)
- Enter the series of commands required
- Press & hold the 'D' key for 2 secs between commands & to End
- Do not Enter User code.
- Up to 16 Characters
- Press 'D' key to end

To Log to another Partition & Arm:

- System Master Code + # **6 6**
- Enter the Macro Number (1-4) – Panel dependent
- Press * to define a Macro
- Enter
 - o **60102 F 2 FF (Bypass Zones 01 & 02, Arm Partition)**
- F = 'D' key being held for 2 secs
- Press 'D' key to end

7.4 Follow me (local Dialling) Programming Training Module

- Allows Consumer to Program Three Telephone Numbers
- Signal will only be sent for Alarms
- Each Number will be dialled in Turn
- This sequence will be carried out Three times per alarm per armed period
- Pressing the * will Kiss off the Panel & stop the sequence for that zone

USER CODE # 6 1 (Requires an Alpha Numeric Keypad)

- The 1st number will be displayed
- To change Phone Number press * ,
 - Pressing 1 2 or 3 will switch to that Phone Number
 - Then Press * to change that phone number
- Enter required phone Number
- Press * to confirm Entry

OPERATION UPON ALARM:

- Panel will dial each Number in turn
- 4 sec silence followed by 4 secs Tones (Total time = 60secs)
- It will continue this process until 3 cycles are completed
- Or the Panel is kissed off by an End User
 - Press * to Kiss-Off the panel
- This will occur for each zone / per armed period.

7.5 Partitioning Programming Training Module

Vista 12a

- 2 partitions + common Area

Vista 48a

- 2 partitions + common Area or
- 3 Separate partitions (See Address * 30)

Programming

- Program Field *30 (0) to Make Partition 3 an independent Partition (Vista48A option only)
- Program Field *198 (1) to Display Partition numbers on the Keypad
- See *56 (Zone Programming) for required Partitioning

User Code Programming

Partition Master Codes

- P1 = User 03
- P2 = User 25
- P3 = User 41
- All Users can only operate from partitions they have been assigned to

END USER FUNCTIONS:

“GOTO another Partition”

- **User Code + * + Partition No. (0,1,2,3)**
 - 0 = return to Keypad's original partition**
 - 1 = Partition 1**
 - 2 = Partition 2**
 - 3 = Partition 3**

- Users can only log to partitions they have been assigned to.
- Must be done from an Alpha Keypad that resides in a partition the user is assigned to
- The keypad will return to its original partition after 30 secs with no keypad activity

“Multi-Partition Arming”

- **User Code + 0 + arming code (2,3,33,4,7 or 1)**
 - 2 = Arms all Partitions AWAY**
 - 3 = Arms all Partitions STAY**
 - 33 = Arms all Partitions NIGHT-STAY**
 - 4 = Arms all Partitions MAXIMUM**
 - 7 = Arms all Partitions INSTANT**
 - 1 = Disarms all Partitions**

- Users can only use this feature if they have been given authority
- Must be done from an Alpha Keypad

8. Security Codes

Training Module

- Vista12a has 16 User Codes
- Vista 48a has 48 User Codes

To Default User Codes Only:

- Press: **4 1 1 2** (Installer Code), **8 0 0**
- Press *** 9 7 3 ***
Press * 9 9 to exit programming

Changing the Master Code:

- Installer code + 8 + 02 + New Master code
Or
- Existing Master Code + 8 + 02 + New Master code + New Master code

Adding a New User Code:

- Master code + 8 + 2-digit user no. + user's code

Users 03 – 24 automatically assigned to Partition 1 (Vista 12a Only – 16 Users)

Users 25 – 40 automatically assigned to Partition 2

Users 41 – 48 automatically assigned to Partition 3

Deleting a New User Code:

- Master code + 8 + 2-digit user no. + # + 0

Installer Code: (User #01 – Default 4 1 1 2)

- Entered through Address *20
- Can disarm system only if Code used to arm
- Can change System Master Code only

System Master Code: (User #02 – Default 1 2 3 4)

- Only one per system
- Performs all security functions
- Add/delete users in all partitions
- Change system master code
- View event log
- Set system clock
- Program keypad macro
- Program scheduled events
- Activate output devices

Partition Master Codes

- These users can be assigned different authority levels – if desired
- These Users can be entered from any partition
- P1 = User 03
- P2 = User 25
- P3 = User 41

Security Codes Cont...

Training Module

Authority Levels: - Applies to Users 04-24; 26-40; 42-48

0 – User – (All New Users automatically defaulted to this Authority Level)

- Performs Security functions only
- Cannot:
 - add/delete users
 - view event log
 - set system clock
 - programmed scheduled events

1 – Arm Only

- Arm System Only

2 – Guest

- Can disarm system only if code was used to arm the system

3 - Duress

- Performs Security Functions
- Also silently sends a duress message to the Central Station
- Reports as Duress code User Number
- Ensure Zone 92 is enabled to allow report to be sent

4 – Partition Master

- Same functionality as System Master code except:
 - Add/delete users limited to assigned partition only
- Used to assign other User Numbers as partition masters
- Any user can be assigned the Partition master authority level

Assigning Attributes:

- Master code + 8 + 2-digit user no. + # [attribute no.] + value

ATTRIBUTES:

1 = Authority Level

2 = Access Group

3= Active Partition(s) for this User

4 = RF Zone No.

5 = Open/Close Paging

6 = Open/Close Report to
Monitoring Station

VALUES:

0-4 (See authority levels)

0-8 (0 = not assigned to a group)

0, 1, 2, 3 Enter Partitions
consecutively - Enter # to end
entries (0=clears exist. partitions)

Assigns User number to button
type zone for arm/disarm (key fob
must be enrolled first)

1 = yes, **0** = no

1 = yes (default), **0** =no

Security Codes Cont...

END USER FUNCTIONS:

"Disarming"

- User Code + Off ("1" key)

"Away" Mode - All points active

- User Code + Away ("2" key)

"Stay" Mode - Interior type zones bypassed

- User Code + Stay ("3" key)

"Night-Stay" Mode – Stay Mode + Additional Interior Zones Armed (Zone list 5)

- User Code + Stay Stay ("3" "3" keys)

"Instant" Mode - Interior type zones bypassed with NO Entry Delay

- User Code + Instant ("7" key)

"Maximum" Mode - All points active with NO Entry Delay

- User Code + Maximum ("4" key)

Bypassing zones

- User Code + Bypass ("6" key) + zone No. (2 digit) to be Bypassed

Removing Bypass

- User Code + Off ("1" key)

Chime Mode

Programming Address "26"

- "0" = Perimeter zones types activated (Types 01, 02, 03)
- "1" = Zones Listed in Zone List 3 (Go to Field *81 to program)

STAY ARMING:

- Causes three Beeps on keypad
- Arms Perimeter Zones - Zone types 01; 02; 03
- Bypasses Interior Zones – Zone Types 04; 10

NIGHT STAY ARMING:

- Arms same Zones as STAY mode Plus
- Pre-selected Interior Zones programmed into Zone List 5

9.1 Output Programming

Training Module

- **Vista 12a**
 - 4 Output Relays
 - 12 Output Definitions
- **Vista 48a**
 - 16 Output Relays
 - 48 Output Definitions

RELAY MODULES:

DEVICE	Uses Address	Reports as	Enabled by ...
Zone Expanders: 4219 / 4229 / 6164 Zones & Relay			*56 Zone Programming
Zones 09 - 16	07	107	Available if Zone Doubling not used
Zones 17 - 24	08	108	Use for Vista 12a Hard wired expansion
Zones 25 - 32	09	109	Automatic when Zones entered as AW type
Zones 33 - 40	10	110	Automatic when Zones entered as AW type
Zones 41 - 48	11	111	Use with 4219 expanders only as AW type
Relay Modules: 4204 / 6164			*79 Output device programming
Module 1 / 6164 relay only	12	112	Entered at Device address prompt
Module 2 / 6164 relay only	13	113	Use for Vista 12a
Module 3 / 6164 relay only	14	114	Entered at Device address prompt
Module 4 / 6164 relay only	15	115	Entered at Device address prompt

6164 Options:

- Zones & Relay Module (V12a use address #08; V48a use addresses #07 –10)
 - Takes 1 Expansion slot (4 Zones only)
 - Takes 1 Relay Slot (1 Relay only)
- Relay Only (V12a use address #13; V48a use addresses #12 –15)
- Address #11 can not be used for 4219 expander

4229 Options:

- Zones & Relay
 - Takes 1 Expansion slot (8 Zones)
 - Takes 1 Relay Slot (2 Relays only)
- Combines:
 - Relay Module 1 & Zones 09 – 16 = Address #07
 - Relay Module 2 & Zones 17 – 24 = Address #08 (Must be used for Vista 12a)
 - Relay Module 3 & Zones 25 – 32 = Address #09
 - Relay Module 4 & Zones 33 – 40 = Address #10
 - Address #11 can not be used for 4229 expander

Output Programming Cont...

Expander Installation & Programming:

- Connect the Expansion Module across the console bus.
- Set the dipswitches for the required Address.
- Switch 1 determines the unit's cover tamper response (ON= disabled, OFF= enabled).
- Enter *79 Menu Mode to assign a System Output Number to a corresponding Device

OUTPUT TYPE				
		Relay	X10	
Output No.	Module Addr.	Pos (1-4)	Unit No.	Description
01				
02				
03				
04				
05				
06				
07				
08				

To Activate/Deactivate Devices in Normal Operating Mode:

Code + # + 7 + NN Key Entry starts Device NN.

Code + # + 8 + NN Key Entry stops Device NN.

OUTPUT TYPE				
		Relay	X10	
Output No.	Module Addr.	Pos (1-4)	Unit No.	Description
09				
10				
11				
12				
13				
14				
15				
16				
17	On-Board Trigger 1			Postive\Negative Trigger
18	On-Board Trigger 2			Postive\Negative Trigger

Strobe Output:

At Default - No programming is required for the Strobe function

- Strobe will activate on Alarm
- Strobe will reset at Disarm or after 7 days, whichever occurs first (Field *177)
- Program Field *38 defaulted for Strobe Flash on Arm / Disarm
 - o Arming 2x 4secs strobe flashes
 - o Disarming 1x 4 secs strobe flashes

Relay Device 18 (On-board Trigger2) programmed for Strobe Output

VISTA12a: - Output Nos. 11 & 12 programmed for Strobe activation

VISTA48a: - Output Nos. 47 & 48 programmed for Strobe activation

*79 Vista12a / 48a Output Device Programming Guide

*80 Vista12a / 48a Defining Output Functions Programming Guide

Choices for Zone Types		Choices for System Operation	
00 = No Response (Not used)	10 = Interior w/Delay	20 = Arming Stay	41 = **AC Power Fail
01 = Entry/Exit # 1	12 = Monitor Zone	21 = Arming Away	42 = **System Battery Low
02 = Entry/Exit # 2	14 = gas	22 = Disarming (Code+Off)	43 = Communication Failure
03 = Perimeter	16 = Fire w/Verify	31 = End of Exit Time	46 = Sys Batt Restore
04 = Interior Follower	23 = No Alarm Response	32 = Start of Entry Time	52 = Kissoff
05 = Trouble Day/Alarm Night	24 = Silent Burglary	33 = Any Burglary Alarm	54 = Fire Zone Reset
06 = 24Hr Silent	77 = Keypress	36 = **At Bell Timeout ***	58 = Dures
07 = 24Hr Audible	81 = AAV Monitor Zone	38 = Clime	60 = AAV
08 = 24Hr Aux	82 = Blockglass Keypress	39 = Any Fire Alarm	66 = Function Key (Use *7)
09 = Fire Alarm or Trouble	90 - 99 = Configurable	40 = Bypassing	67 = Siren Fall
			68 = Telecom Line Cut
			69 = Telecom Line Restore
			70 = AC Mains Restore
			71 = System Startup/Clock not Set
			72 = Clock Set
			78 = Keypress Red LED
			79 = Keypress Green LED
			80 = Tamper fault
			** Use 0 Any Partition, or specific Part
			*** On at disarm whichever occurs first

#64 Vista12a / 48a Scheduling Mode Programming Guide

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9.3 *81 Zone List Programming Training Module

Zone Lists:

Zone List No.	Used for ...
1 , 2	<i>General Purpose</i>
3	<i>Chime by Zone</i>
4	<i>Linked Zones</i>
5	<i>Night Stay Zones</i>
6 , 7	<i>General Purpose</i>
8	<i>General purpose or Final contact set zones</i>
9	<i>General Purpose or Zones that activate Pager 1</i>
10	<i>General Purpose or Zones that activate Pager 2</i>
11	<i>General Purpose or Zones that activate Pager 3</i>
12	<i>Exit Zones (enabled in Field * 88) (Zones 1 & 2 added at default)</i>

10.1 Release V2.2 addendum

ADDENDUM TO: VISTA-48A and VISTA-12A Installation and Setup Guide and Programming Guide

USE WITH ISSUES: VISTA-48A: K0749-1EN and K0749-1ENPR Dated 11/04
VISTA-12A: K10022-1 and K10022-1PR Dated 9/04

Microprocessor Revision: 2.2 or Higher

RE: Revised defaults and changes in operation of certain features

I. REVISED DEFAULT VALUES

Changes have been made to the default values of the data fields listed below.

Default Tables

The following table lists the revised default values of the affected fields and replaces the values listed in the table on pages 20 and 21 of the Programming Guide.

Field	Default Table 1 (DT1)	Default Table 2 (DT2)
*25 Arming Prevention Override	7 , 1	7 , 1
*30 Make Part. 3 a Common Area (VISTA-48A only)	0	1
*37 Audible Exit Warning	1 , 1 , 1	1 , 1 , 1
*91 Miscellaneous Options	0 , 0	0 , 0
*176 Siren Options	0 , 0	0 , 0

Data Fields with Revised Default Values

The following shows how the affected fields should appear in the Programming Guide.

*25	Arming Prevention Override	[7,1] 1 2
*30	Make partition 3 a Common Area Part.	DT1: [0] DT2: [1] (this field applies to VISTA-48A only)
*37	Audible Exit Warning	[1,1,1] Part. 1 Part. 2 Part. 3
*91	Miscellaneous Options	[0,0] 1 2
*176	Siren Options	[0,0] 1 2

II. REVISED FOLLOW-ME FEATURES

Follow-Me Dialing Cycle Now Repeats Only Once

If none of the Follow-Me numbers (1, 2, or 3) are acknowledged by the user during the first dialing cycle, the cycle is repeated only once.

Entering Follow-Me Phone Number using Fixed-Word Keypad

The system now lets users enter Follow-Me phone numbers from fixed-word keypads by using a separate command. To enter Follow-Me phone numbers from a fixed-word keypad, do the following:

1. Enter user code + [#] + 62.

The keypad displays Follow-Me phone number 1 (if programmed) one digit at a time. When done, the keypad beeps twice then displays the number "1," indicating phone number 1.

To display phone numbers 2 or 3, press "2" or "3" respectively. The selected phone number will be displayed one digit at a time followed by two beeps when done. The number "2" or "3" will then be displayed, indicating the selected phone number.

2. To modify the selected phone number, press [*], which erases the current number, then enter the desired phone number using keypad digits 0-9. The keypad beeps once as each digit is entered.

To enter a 2-second pause within the phone number, press the [#] key. The pause is displayed as "14."

NOTE: Key entries must be made within 30 seconds of one another; otherwise the system exits this mode.

10.1 release V2.2 addendum cont...

3. **To save the new number, press [*] again.** The keypad beeps twice indicating the number is saved.
To enter or modify another phone number, press 1, 2, or 3 (for phone numbers 1, 2, 3 respectively) and repeat steps 2 and 3.
4. **To exit this mode, press any key other than 1, 2, 3, or [*].** The keypad beeps three times.
The system also automatically exits this mode if no keys are pressed within 30 seconds.

III. REVISED SCHEDULED AUTO-ARMING OPERATION

When using Auto Stay Arm (scheduled event 04) or Auto Away Arm (scheduled event 05), the system will automatically bypass any open burglary zone when it arms at the scheduled time.

IMPORTANT: Zones left unintentionally open will be unprotected.

V. CLARIFICATION TO EXIT DELAY RESET FUNCTION

The Exit Delay Reset feature resets exit delay time for zones programmed as zone types 1 or 2 only.

10.2 Complete Programming Data

PROGRAMMING FORM

Entry of a number other than one specified will give unpredictable results. Default values are shown in brackets, with unique table 1 and table 2 values indicated where applicable (DT1 = default table 1; DT2 = default table 2); see page 20 for a complete list of factory default tables 1 and 2.

#20	Installer Code 0-9 = 4 digit installer code	[41,12]				
#21	Quick Arm Enable 0 = no quick arm; 1 = allow quick arm	DT1: [1,1,1] DT2: [0,0,0]				Part. 1 Part. 2 Part. 3
#22	RF Options Entry 1 - 0 = no RF Jam detection; 1 = detect RF Jam Jam Supv Entry 2 - supervision interval; 0 = 12 hour; 1 = 2 hour; 2 = 20 min if disarmed/2 hrs if armed; 3 = 12 hrs for burg zones/3 hrs for fire zones	[0,0]				
#23	Quick (Forced) Bypass 0 = no quick bypass 1 = allow quick bypass (code + [6] + [#])	[0,0,0]				Part. 1 Part. 2 Part. 3
#24	RF House ID Code 00 = disable all wireless keypad usage 01-31 = house ID for use with 5827, 5827BD keypad or 5804BD/5804BDV keyfob	[00,00,00]				Part. 1 Part. 2 Part. 3
#25	Arming Prevention Override If no override is selected, system will not arm when there is either a supervision failure, system low battery, AC loss, or tamper. Entry 1 0 = no arming prevention override 1 = allow system to arm with an RF supervision failure 2 = allow system to be armed with an AC Mains Loss 4 = allow system to be armed with a system low battery E.g., To select arm with "supervision failure" and "system low battery", enter 5 (1 + 4); Entry 2 0 = no tamper override (see field *175 for more tamper options) 1 = allow system to be armed with a tamper fault 2 = allow system to be armed with a tamper fault once NOTE: If tamper option 1 or 2 is selected, field *175 digit 2 must be "0."	[7,0]				
#26	Chime By Zone 0 = no; 1 = yes (select chime zones on zone list 3, see *81 Menu mode)	[0]				
#27	Powerline Carrier (X-10) House Code 0 = A; 1 = B, 2 = C, 3 = D, 4 = E, 5 = F, 6 = G, 7 = H, 8 = I, 9 = J, *10 = K, *11 = L, *12 = M, *13 = N, *14 = O, *15 = P	[0]				
#29	ECP Contact ID Output for ACM 0 = no; 1 = use Contact ID output on ECP terms. (e.g. TCP-IP ethernet)	[0]				
#30	Make partition 3 a Common Area Part. 0 = no (must be 0 if system uses zone type 82 - Blockschloss) 1 = yes, make partition 3 a common area partition	[0]				
#31	Single Alarm Sounding/Zone 0 = no; 1 = yes, only one alarm sounding per armed period per zone	[1]				
#32	Fire Alarm Sounder (Bell) Timeout 0 = sounder stops at timeout; 1 = no sounder timeout	[0]				
#33	Siren (Burglary) Timeout 0=none; 1 = 1 min; 2 = 2 min; 3 = 3 min; 4 = 4 min; 5 = 8 min; 6 = 16 min	[3]				
#34	Exit Delay 00 to 96 = 00 to 96 seconds respectively 97 = 120 seconds	[60,60,60]				Part 1 Part 2 Part 3
#35	Entry Delay 1 (zone type 01) 00 to 96 = 00 to 96 seconds respectively 97 will = 120 seconds; 98 will = 180 seconds; 99 will = 240 seconds	[15,15,15]				Part 1 Part 2 Part 3
#36	Entry Delay 2 (zone type 02) See *35 for entries.	[30,30,30]				Part 1 Part 2 Part 3
#37	Audible Exit Warning 0 = no; 1 = yes DT1: [0,0,0] DT2: [1,1,1]					Part. 1 Part. 2 Part. 3
#38	Confirm. Arming Ding Entry 1 for each partition selects whether arming from wired keypads causes siren ding 0 = no; 1 = yes, ding and siren for time selected in entry 2 Entry 2 for each partition selects whether arming from keyswitch and/or remote RF devices causes siren ding and/or activates trigger 2 output; also selects ding/trigger activation duration (arm = 2 dings of selected duration with 1 second off between; disarm = 1 ding of selected duration).	[03, 03, 03]				Part. 1 Part. 2 Part. 3

Entry	Ding at Siren	Trigger 2 Output
0	none	none
1	none	250mS
2	none	1 second
3	none	4 seconds
4	250mS	none
5	250mS	250mS
6	250mS	1 second
7	250mS	4 seconds
8	1 second	none
9	1 second	250mS
#+10	1 second	1 second
#+11	1 second	4 seconds
#+12	4 seconds	none
#+13	4 seconds	250mS
#+14	4 seconds	1 second
#+15	4 seconds	4 seconds

***38 Confirm Arming Ding** (continued)
Enter 0-15 from table.

***39 Power-Up in Previous State** [1] ☐
0 = always power-up disarmed; 1 = power-up in previous state
For dialer fields #40 - +42, enter the number of digits shown. Do not fill unused spaces. Enter 0-9; #+11 for '#'; #+12 for '1/2'; #+13 for a 2-second pause. If fewer than the maximum digits entered, exit the field by pressing [*]. The next data field is displayed.

***40 PABX Access Code**

Enter up to 6 digits. If fewer than 6 digits are entered, exit by pressing [*]. To clear entries from field, press +40+

***41 Primary Phone No.**

***42 Second Phone No.**

Enter up to 30 digits for each phone number. To clear entries, press +41+ or +42+ respectively.

For fields *43, *44, *45, *46, *51 and *52, enter 4, 6 (ROBOFON 8), or 10 digits, depending on selection in *48 Report Format. Enter 0-9; #+11 for B; #+12 for C; #+13 for D; #+14 for E; #+15 for F. To clear entries from field, press *43*, *44*, *45*, *46*, *51* or *52* respectively. Examples: For Acct. 1234, enter 1 2 3 4 ; For Acct. B234, enter #+11 2 3 4

***43 Primary Subscriber ID # (Part. 1)**

***44 Secondary Subscriber ID # (Part. 1)**

***45 Primary Subscriber ID # (Part. 2)**

***46 Secondary Subscriber ID # (Part. 2)**

***47 Phone System Select/Dialer Attempts** ☐ ☐
Phone System Select: [1,6] Select Attempt
If Cent. Sta. IS NOT on a satellite link: 0=Pulse Dial; 1=Tone Dial;
If Cent. Sta. IS on a satellite link: 2 = Pulse Dial ; 3 = Tone Dial
Dialer Attempts: 1 - 10 (for 10, enter #+10)

***48 Report Format** [7,7] ☐ ☐
prim. second
0 = 3+1,4+1, ADEMCO L/S STANDARD
1 = 3+1,4+1, RADIONICS STANDARD
2 = 4+2, ADEMCO L/S STANDARD
3 = 4+2, RADIONICS STANDARD
5 = CID using 10-digit subs account (ID) no.
6 = 4+2, ADEMCO EXPRESS
7 = CID using 4-digit subs account (ID) no.
8 = 3+1,4+1, ADEMCO L/S EXPANDED
9 = 3+1,4+1, RADIONICS EXPANDED
#+10 = ROBOFON 8 (6-digit subs account no.)
#+11 = ROBOFON Contact ID

NOTES: To enable audio "beeps" format (Follow-Me feature), refer to the System Communication and Operation section in the Inst. Instr. Also see *53 and *188 for notes on certain Contact ID codes.

***49 Split/Dual Reporting** [0] ☐

0 = Disable (standard/backup reporting only)

Primary Phone No.	Second Phone No.
1 = Alarms, Restore, Cancel	Others
2 = All except Open/Close, Test	Open/Close, Test
3 = Alarms, Restore, Cancel	All
4 = All except Open/Close, Test	All
5 = All	All

***50 Dialer Delay (Burg)** [0] ☐

0 = none; 1 = 15 seconds; 2 = 30 seconds; 3 = 45 seconds

***51 Primary Subscriber ID # (Part. 3)**

see box above *43 for entries.

***52 Secondary Subscriber ID # (Part. 3)**

see box above *43 for entries.

***53 SESCOA/Radionics and CID Enbl** [0,0] ☐ ☐

SESCO/Radionics Select: Ses/Rad CID
0 = Radionics (0-9, B-F); 1 = SESCOA (0-9)
CID Enable: 0 = disable both Time/Date Inaccurate and Successful Download/Access reports
1 = enable Time/Date Inaccurate report (code 626)
2 = enable Successful Download/Access report (code 412)
3 = enable both Time/Date Inaccurate and Successful Download/Access reports
NOTE: Time/Date Inaccurate report (CID 626) and Successful Download/Access report (CID 412) are sent only if Contact ID format is selected as reporting format in field *48.

***54 Dynamic Signaling Delay** [0] ☐

Delay selectable from 0 to 225 secs in 15-sec increments.
0 = no delay (both signals sent); 1 = 15 secs; 2 = 30 secs, etc.

***55 Dynamic Signaling Priority** [0] ☐

0 = Primary Dialer first; 1 = ECP Contact ID first (e.g., TCP-IP ethernet)

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES:
For 3+1 or 4+1 Standard Format: Enter a code in the first box: 1-9, #+10 for 0, #+11 for B, #+12 for C, #+13 for D, #+14 for E, #+15 for F.
A 0 (not #+10) in the first box will disable a report. A 0 (not #+10) in the second box will result in automatic advance to the next field.
For Expanded or 4+2 Format: Enter codes in both boxes (1st and 2nd digits) for 1-9, 0, or B-F, as described above.
A 0 (not #+10) in the second box will eliminate the expanded message for that report. A 0 (not #+10) in both boxes will disable the report.
For Ademco Contact ID® Reporting: Enter any digit (other than 0) in the first box, to enable zone to report (entries in the second boxes are ignored).
A 0 (not #+10) in the first box disables the report.

***59 Exit Error Report Code** [0] ☐

***60 Trouble Report Code** [10]

***61 Bypass Report Code** DT1: [00] DT2: [10]

***62 AC Loss Report Code** [10]

***63 Low Bat Report Code** [10]

***64 Test Report Code** [10]

System default sets schedule 32 to send test reports for DT1: every Wednesday at 2:00AM, and for DT2: daily at 2:00AM.
First test report sent 12 hours after exiting program mode.
Use Scheduling mode to change periodic test report schedule.

***65 Open Report Code**

DT1: [0,0,0] DT2: [1,1,1] Part. 1 Part. 2 Part 3

***66 Arm Away/Stay Rpt Code**

DT1: [0,0;0,0;0,0]

AWAY STAY AWAY STAY AWAY STAY DT2: [1,0;1,0;1,0]
Part. 1 Part. 2 Part 3

***67 RF Trans. Low Bat Report Code** [10]

***68 Cancel Report Code** DT1: [10] DT2: [00]

1 = dynamically as the fault clears; 2 = only after a disarm

***69 Alarm Restores** [1] ☐

Send restore code (if fault cleared):
0 = at siren timeout (if restored) or at disarm (whether restored or not)

***70 Alarm Restore Rpt Code** [1] ☐

***71 Trouble Restore Rpt Code** [10]

***72 Bypass Rest. Rpt Code** DT1: [00] DT2: [10]

***73 AC Restore Rpt Code** [10]

***74 Low Bat Restore Rpt Code** [10]

***75 RF Low Battery Restore Rpt Code** [10]

***76 Test Restore Rpt Code** [10]

***77 Summer Time Start\End Month** [00]

0 = Disabled; 1-12 = month (1 = January, 2 = February, etc)
#+10 = October; #+11 = November; #+12 = December

***78 Summer Time Start\End Weekend** [00]

0 = disabled; 1 = first; 2 = second; 3 = third
4 = fourth; 5 = last; 6 = next to last; 7 = third to last

***84 Auto Stay Arm** [0] ☐

0 = none; 1 = partition 1; 2 = partition 2; 4 = partition 3
Add the values for multiple partitions.

***85 Linked Zone Verification Timer/** [0,0]

Up and About Timer Linked Up/about

Linked Zone: Assign linked zones on zone list 4, with *81 Menu mode.
0 = 15 seconds 4 = 90 seconds 8 = 4 min #+12 = 8 min
1 = 30 seconds 5 = 2 minutes 9 = 5 min #+13 = 10 min
2 = 45 seconds 6 = 2-1/2 min #+10 = 6 min #+14 = 12 min
3 = 60 seconds 7 = 3 min #+11 = 7 min #+15 = 15 min
Up and About Timer: 1-15 hours (also need to program up and about schedule for time window that up and about feature is active; value set in this field is time within the schedule that activity must occur)

***86 Cancel Verify Keypad Display** [0] ☐

0 = no "alarm canceled" display
1 = display "Alarm Canceled" when system is disarmed after an alarm has occurred. (To clear the "ALARM CANCELED" display, the user must enter the security code + OFF again.)

***87 Misc. Fault Delay Time** [0]

(for Configurable Zone Type zones - alarm/trouble processing option)
0 = 15 seconds 4 = 90 seconds 8 = 4 min #+12 = 8 min
1 = 30 seconds 5 = 2 minutes 9 = 5 min #+13 = 10 min
2 = 45 seconds 6 = 2-1/2 min #+10 = 6 min #+14 = 12 min
3 = 60 seconds 7 = 3 min #+11 = 7 min #+15 = 15 min

***88 Exit Options** [2]

0 = all intrusion zones must be intact before arming (must be 0 if system uses zone type 82 - Blocks Schloss)
1 = All intrusion zones except in exit path (zone list 12) must be intact before arming. Exit path zones cause alarm if not restored at end of exit time
2 = All intrusion zones except in exit path (zone list 12) must be intact before arming. Exit path zones are bypassed if not restored at end of exit time
3 = Final contact set: All intrusion zones except in exit path (zone list 12) must be intact before arming. Once armed, exit delay remains on indefinitely until the last zone, as defined in zone list 8, is restored; then there is 5-second exit delay before arming state is active

***89 Event Log Full Report Code** [00]

See box above *59 for entries.

***90 Event Log Enables** [15]

0 = None; 1 = Alarm/Alarm Restore; 2 = Trouble/Trouble Restore; 4 = Bypass/Bypass Restore; 8 = Open/Close. Ex: For "Alarm/Restore" and "Open/Close", enter 9 (1 + 8); To select all, enter #15.
NOTE: System messages logged when any non-zero entry is made.

***91 Miscellaneous Options** [01]

Entry 1: 0 = None; 4 = Audio Alarm Verification (AAV); 1 2
8 = Exit Delay Restart
#+12 = AAV (4) and Exit Delay Restart (8)
Entry 2: 0 = allow keypad output activation commands
(user code + # + 7 and user code + # + 8)
1 = do not allow keypad output activation commands

***92 Telecom Monitor Enable** [0,0] ☐ ☐
 Entry 1: 0 = disabled
 1-15 = enabled, after 1 15 min. line outage
 (#+10 = 10 min; #+11 = 11 min; #+12 = 12 min;
 #+13 = 13 min; #+14 = 14 min; #+15 = 15 min)
 Entry 2: 0 = keypad display when line is faulted
 1 = keypad display plus keypad trouble sound
 2 = Same as "1", plus programmed output device STARTS. If
 any partition is armed, external sounder also activates.
NOTE: Output Device must either be programmed to be STOPPED
 in field *80 or STOPPED by Code + # + 8 + output number.

***93 No. of Reports in Armed Period** [6] ☐
Per Zone (Intermittent Sensor)
 0 = Unlimited Reports; 1 - 6 = 1 - 6 report pairs

***94 Download Phone No.**

 Enter up to 30 digits, 0-9; #+11 for '*'; #+12 for '#'; #+13 for a 2-
 second pause. Do not fill unused spaces. If fewer than 30 digits, exit
 field by pressing *. To clear entries from field, press *94*.

***95 Ring Count For Downloading** [0] ☐
 0 = Disable Monitoring Station Initiated Download;
 1-14 = number of rings (1-9, # +10 = 10, # +11 = 11, # +12 = 12,
 # +13 = 13, # +14 = 14);
 15 = Answering machine/fax defeat (# +15 = 15).

***160 Pager 1 Phone No.**

 Enter up to 20 digits, 0-9; #+11 for '*'; #+12 for '#'; #+13 for a 2-
 second pause. Do not fill unused spaces. If fewer than 20 digits, exit
 field by pressing *. To clear entries from field, press *160*.

***161 Pager 1 Characters**

 Enter the optional prefix characters, up to 16 digits.
 0-9; #+11 = '*'; #+12 = '#'; #+13 = 2-second pause.

***162 Pager 1 Reporting Options** ☐ ☐ ☐
 For each partition, select from: [0,0,0] Part. 1 Part. 2 Part 3
 0 = no reports sent; 1 = Open/close all users; 4 = All alarms and troubles
 5 = All alarms / troubles, and open/closes for all users
 12 = Alarms / troubles for zones entered in zone list 9
 13 = Alarms / troubles for zones entered in zone list 9, and
 opens/closes for all users

***163 Pager 2 Phone No.** (See field *160 for entries.)

***164 Pager 2 Characters** (See field *161 for entries.)

***165 Pager 2 Reporting Options** ☐ ☐ ☐
 See field *162 for entries. [0,0,0] Part. 1 Part. 2 Part 3
 Use zone list 10 if using options 12 or 13.

***166 Pager Delay Option For Alarms** [0] ☐
 0 = none, 1 = 1 minute, 2 = 2 minutes, 3 = 3 minutes
 This delay is for ALL pagers in the system. The delay does not reset
 for new alarms occurring while an existing pager delay is in progress.

***173 RF Reporting Options** [1] ☐
 0 = none; 1 = RF Tamper reports during disarm
 2 = RF keyfobs send low battery
 3 = RF Tamper reports during disarm and RF keyfobs send low battery

***175 Tamper Options** [0,0] ☐ ☐
 (see field *25 for tamper override options when arming) 1 2
 Entry 1: 0 = standard tamper protection
 1 = detect tamper from bypassed zones
 2 = detect tamper when in Test mode
 3 = detect tamper when in Test mode from bypassed zones
 Entry 2: 0 = all users can clear a tamper (must be "0" if field *25 digit
 2 set to 1 or 2)
 1 = only the installer can clear a tamper

***176 Siren Options** DT1: [0,2] DT2: [0,0] ☐ ☐
 Entry 1: 0 = external siren; 1 = self-activated external siren 1 2
 Entry 2: 0 = disable (2nd digit ignored if 1st digit not set to ext. siren)
 1 = enable 30 second ext. siren and dialer delay during entry
 delay period when armed AWAY (if entry delay is active
 and an instant zone is faulted, the siren is delayed 30
 seconds, and the report is delayed 30 secs. unless field
 *50 is set for a greater delay)
 2 = external siren and dialer delayed 15-seconds when
 armed in STAY mode

***177 Device Duration 1, 2** [0,7] ☐ ☐
 (used in *80 Output Definitions menu -Device Actions 5/6) 1 2
Duration 1 - Device Action 5 Timer
 0 = 15 seconds 4 = 90 secs 8 = 4 min #+12 = 8 min
 1 = 30 seconds 5 = 2 min 9 = 5 min #+13 = 10 min
 2 = 45 seconds 6 = 2-1/2 min #+10 = 6 min #+14 = 12 min
 3 = 60 seconds 7 = 3 min #+11 = 7 min #+15 = 15 min
Duration 2 - Device Action 6 Timer (Strobe Timer)
 1 - 7 = 1 to 7 days

***178 RF Supervision and RF Jam Option** [0] ☐
 0 = Basic RF supervision and RF jam detection
 1 = Report RF supervision failure as tamper alarm when armed
 2 = Report RF Jam as tamper alarm when armed
 3 = Report RF Jam & RF supervision failure as tamper alarm when armed

***180 Zone Bypass Limit** [0] ☐
 0 = unlimited zone bypasses in each partition
 1-7 = number of zone bypasses allowed in each partition
 (each partition individually uses this entry)
 8 = zone bypass disabled (no zones can be bypassed)

***181 AC and Clock Display Options** [13] ☐
 Use the following table to select the desired options for real-time
 clock synchronization (50Hz, 60Hz, Crystal), AC Loss display
 (independent of AC Loss report enabled in *62), and clock display
 (time displayed on bottom line of alpha keypads).
 X10 NOTE: "X10" (powerline carrier devices) use the selected AC
 frequency to communicate with the control.

Entry	AC Freq.	Crystal for	AC Loss disp	Clock disp
0	60Hz	clock backup	no	no
1	50Hz	clock backup	no	no
2	60Hz	clock	no	no
3	50Hz	clock	no	no
4	60Hz	clock backup	yes	no
5	50Hz	clock backup	yes	no
6	60Hz	clock	yes	no
7	50Hz	clock	yes	no
8	60Hz	clock backup	no	yes
9	50Hz	clock backup	no	yes
#+10	60Hz	clock	no	yes
#+11	50Hz	clock	no	yes
#+12	60Hz	clock backup	yes	yes
#+13	50Hz	clock backup	yes	yes
#+14	60Hz	clock	yes	yes
#+15	50Hz	clock	yes	yes

***182 Summer Time Switchover Day** [0] ☐
 0 = switch on Sunday morning; 1 = switch on Saturday morning
 2 = switch on Friday morning

***183 Date/Time Format** [1] ☐
 0 = 12-hour time/MMDDYY date 2 = 24-hour time/MMDDYY date
 1 = 12-hour time/DDMMYY date 3 = 24-hour time/DDMMYY date

***185 Downloader Suppression Options** [0] ☐
 0 = no suppression; 1 = suppress user code viewing
 2 = suppress commands and program download when armed
 3 = suppress user code viewing, commands, and program download
 when armed

***186 Display Options** [0,0] ☐ ☐
 Entry 1: Latch the first alarm in the display: 0 = disable; 1 = enable
 Entry 2: Turn off the display (except for AC loss) except during exit
 delay. Turns off when exit delay expires, or 30 seconds after
 disarm; 0 = disable; 1 = enable

***187 Sounder Mimic on Trigger 1** [0] ☐

0 = no sound output on trigger 1

1 = mimic keypad 1, address 16	5 = mimic keypad 5, address 20
2 = mimic keypad 2, address 17	6 = mimic keypad 6, address 21
3 = mimic keypad 3, address 18	7 = mimic keypad 7, address 22
4 = mimic keypad 4, address 19	8 = mimic keypad 8, address 23

NOTE: If used, do not assign any other functions to trigger 1.

***188 Keypad Sabotage Options** [0,0] ☐ ☐

Entry 1: Keypad Lockout: 0 = disable; 1 = enable 15 minute lockout

NOTE: 461 Wrong Code Entry is sent only if Contact ID format is selected as reporting format in field *48 (if Contact ID format is not being used, this event is not reported)

Entry 2: Keypad Supervision and Tamper Fault Detection:
0 = no, 1 = yes

NOTE: All lockout, supervision, and tamper events are recorded in the event log regardless of the settings in entries 1 and 2.

***189 AUI Device 1 and 2 Enable** [0,0] ☐ ☐**(for Touch Screen Style Keypads)** AUI 1 AUI 2

System supports up to two touch screen style keypads (e.g., Symphony Advanced User Interface, and 6270 Touch Screen Keypad).

AUI Compatibility Note: To ensure proper AUI device operation, use AUI devices with the following rev levels: 6270 series use version 1.0.9 or higher; 8132/8142 (Symphony) series use version 1.1.175 or higher.

Touch Screen (AUI) device 1: Must set AUI device address to 1

Touch Screen (AUI) device 2: Must set AUI device address to 2

Enter each AUI's home partition.

0 = disabled

1 = partition 1; 2 = partition 2; 3 = common partition

KEYPAD OPTIONS**NOTES:** 1. Keypad 1 (addr 16) options are factory set and cannot be changed.
2. Each keypad must be assigned a unique address. Keypads programmed with the same address will give unpredictable results.***190 Keypad 2 Device Address 17** [0] [0] ☐ ☐

Partition: 0 = keypad disabled; 1-3 = part. no. Part. Sound

Sound: 0 = no suppression

1 = suppress arm/disarm and E/E beeps

2 = suppress chime beeps only

3 = suppress arm/disarm, E/E, & chime beeps

Fields *191-*196 see field *190 for entries. Part. Sound

191 Keypad 3 Device Address 18** [0] [0] ☐ ☐192 Keypad 4 Device Address 19** [0] [0] ☐ ☐***193 Keypad 5 Device Address 20** [0] [0] ☐ ☐***194 Keypad 6 Device Address 21** [0] [0] ☐ ☐***195 Keypad 7 Device Address 22** [0] [0] ☐ ☐***196 Keypad 8 Device Address 23** [0] [0] ☐ ☐***197 Exit Time Display Interval** [1] ☐

0 = no display; 1-5 = seconds between display refresh

***198 Display Partition Number** [0] ☐

0 = no; 1 = yes (partition number displays on alpha keypads)

***199 ECP Device Fail Display** [0] ☐

0 = 3-digit display ("1" + device address); for 6148, 6164

1 = 2-digit fixed-display as "91;" for 6128 series keypads

11. Servicing

Training Module

Keypads & Output Devices Summary

DEVICE	Uses Address	Reports as	Enabled by ...
RF Receiver	00	100	*56 Zone programming
AUI 1	01	101	Data field *189
AUI 2	02	102	Data field *189
Alternative Communication Media (AlarmNet-I)	03	103	Data field *29
Zone Expanders: 4219 / 4229 / 6164 Zones & Relay			*56 Zone Programming
Zones 09 - 16	07	107	Available if Zone Doubling not used
Zones 17 - 24	08	108	Use for Vista 12a Hard wired expansion
Zones 25 - 32	09	109	Automatic when Zones entered as AW type
Zones 33 - 40	10	110	Automatic when Zones entered as AW type
Zones 41 - 48	11	111	Use with 4219 expanders only as AW type
Relay Modules: 4204 / 6164			*79 Output device programming
Module 1 / 6164 relay only	12	112	Use for Vista 12a
Module 2 / 6164 relay only	13	113	Entered at Device address prompt
Module 3 / 6164 relay only	14	114	Entered at Device address prompt
Module 4 / 6164 relay only	15	115	Entered at Device address prompt
Keypads:			
Keypad 1	16	116	Set to Partition 1 , All sounds enabled
Keypad 2 / Streetsmart Rx	17	117	Data field *190
Keypad 3	18	118	Data field *191
Keypad 4	19	119	Data field *192
Keypad 5	20	120	Data field *193
Keypad 6	21	121	Data field *194
Keypad 7	22	122	Data field *195
Keypad 8	23	123	Data field *196
Telecommand Voice Module	17 - 23	117 - 123	Same as Keypad Data Fields to enable
5800TM	28	N/A	Automatic

Set Keypad Address: (Each console must have separate Address)

- Power up Keypad
- Hold 1 & 3 keys down (5 secs)
- Change address (See Table Above)
- Press * to save (All within 30 secs)

Hard Wired Expansion

- 6164 Keypad if used for Zones take up one Expansion slot & allows 4 zones only
- 6164 Keypad if used for Relays take up one expansion slot & allows 1 Relay
- 4229 Expander if used for relays take up one Module slot & allows 2 relays

Servicing Continued....

To View the Panel Event Log:

- Master code + # + 6 + 0

To exit the Panel Event Log:

- Press any key other than * or #

Event Log Codes Table

Code	Definition
110	Fire Alarm
121	Duress
122	Alarm, 24-hour Silent
123	Alarm, 24-hour Audible
131	Alarm, Perimeter
132	Alarm, Interior
134	Alarm, Entry/Exit
135	Alarm, Zone Type 5
143	Alarm, Expansion Module
144	Sensor Tamper Alarm
145	ECP Module Cover Tamper Alarm
146	Silent Burglary Alarm
150	Alarm, 24-Hour Auxiliary/Monitor zone
162	Gas Alarm
301	AC Power
302	Low System Battery/Battery Test Fail
305	System Reset (Log only)
321	Siren Supervision Failure
333	Trouble, Expansion Mod. Supervision
341	Trouble, ECP Cover Tamper
344	RF Receiver Jam
351	Telecom Line Fault
353	Alternative Comm. Media Trouble
354	Failure to Communicate (log only)
373	Fire Loop Trouble
374	Exit Error Alarm
380	Trouble Zone Type 5
381	RF Supervision Trouble
382	Supervision Auxiliary Wired Zone (sent after code 333 is sent)
383	RF Sensor Tamper and Double-Balanced Zone Tamper
384	RF Sensor Low-battery
393	Clean Me (ESL smoke detectors only)

Code	Definition
401	Disarmed, Armed AWAY, Armed MAXIMUM
403	Schedule Arm/Disarm AWAY
406	Cancel by User
407	Remote Arm/Disarm (Downloading)
408	Quick Arm AWAY
409	Keyswitch Arm/Disarm AWAY
412	Successful Download/Access
441	Disarmed/Armed STAY/INSTANT, Quick-Arm STAY/INSTANT
442	Keyswitch Arm/Disarm STAY
461	Wrong Code Entry (keypad lockout activated)
570	Bypass
601	Manually Triggered Dialer Test
602	Periodic Dialer Test
606	Audio Alarm Verification (AAV) to Follow
607	Walk Test Entered/Exited
623	Event Log 80% Full
625	Real-Time Clock was Changed (log only)
626	Time/Date Inaccurate
627	Program Mode Entry (log only)
628	Program Mode Exit (log only)
750 - 789	Reserved for Configurable Zone Type report codes (check with central station when using these codes)
801	Override Tamper Arming (log only)
802	Override Low Battery Arming (log only)
803	Override AC Loss Arming (log only)
804	Override Supervision Fail Arming (log only)
999	Non-Alarm Zone Type (Zone Type 23) Fault (log only)

Servicing Continued....

CHECK CONDITIONS:

- Zone 100 – 123 Indicates communication between control & a Keypad, expander or wireless receiver is interrupted, or receiver supervision failure, or Tamper has been activated on A Relay Output Module (4204)
- Fire zones: Indicates an Open circuit
- Wireless zones: May be caused by some change in the environment preventing the receiver from receiving signals from that particular sensor OR that the transmitter's tamper has been activated

LOW BATTERIES:

- Low battery & zone number indicates a low battery in the wireless sensor displayed
- Low battery & "00" zone number indicates a low battery in a 5827 or 5828V wireless console.
- Low battery & no zone number indicates the system's main battery is weak & the System may be difficult to disarm, if in alarm

COMM FAILURE (FC) - A communication failure has occurred

OPEN CIRCUIT (OC) - The keypad is not receiving signals from the control & sees an open circuit

VOLTAGES

- A/C volts should be 16.5VAC
 - D.C. Volts across the battery leads (no battery fitted) should be 13.6 - 13.8 Vdc

Need More Help?

Call our

Technical Support Team

Phone: 1800 220 345