

Section 12. Quick Programming & Database Record sheets.

QUICK PROGRAMMING GUIDE: Single Area Burglary Alarm system.

1. **Determine the number of Burglary Alarm Zone Inputs that will be connected to the system.**
 For ease of programming; If Entry/Exit Zones are to be used, it is recommended that:
 -The Zone Input device that will start the Entry Timer is connected to Zone 1.
 -The "Handover" Zone Input device (if required) is connected to Zone 2.

NEXT 02
Section 2. p7.

2. **Logon to the Terminal using the Installer PIN code and select MODE 2 - DEFAULTING THE CONTROL MODULE.**
 -Enter PIN, <NEXT>, 0, 2.

3. **Select the Default Option that matches the number of Burglary Alarm Zone Inputs required.**
 -<*>, nn, <ENTER>. Where "nn" is the Default option. 0 = No Zones, 1 = 1 Zone, 8 = 8 Zones, etc.

NEXT 01

Address 786.
Section 6. p4.

NOTE: Default Zone Types: Zone 1 = 1-Delayed (Entry/Exit); Zone 2 = 2-Handover; Zones 3 to 16 = 0-Instant.
 If the Default Zone Types need to be changed, program the new Zone Type in Addresses 736 (Zone 1) to 751 (Zone 16)

4. **Enter Programming Mode (Mode 01) to program additional options & data.**
 -Enter PIN, <NEXT>, 0, 1.

Address 865.
Section 7. p1.

5. **IF the End-of-Line Resistors are a value other than "3k3 Single End-of-Line":**
 Program the "End-of-Line Resistor" Value.

Address 866.
Section 7. p1.

END-OF-LINE RESISTOR TYPES:
 Single EOL: 0 -1k / 1 -1k5 / 2 -2k2 / 3 -3k3 / 4 -3k9 / 5 -4k7 / 6 -5k6 / 7 -6k8 / 8 -10k / 9 -12k / 10 -22k
 Dual EOL: 11 -2k2, 2k2 tamper / 12 -2k2, 6k8 tamper / 13 -3k3, 6k8 tamper
 Zone Doubled: 14 -1k, 3k3, 6k8 zone doubled / 15 -1k, 3k3, 6k8 zone doubled (no separate tamper state)

5. **Enable the System Inputs that are required to activate the Siren.**

1 - AC Fail.	6 - Siren Monitor.
2 - Low Battery.	7 - PWR Fuse / Battery Fuse.
3 - Cabinet Tamper.	

NOTE: If any of these options are selected, check the "System Input Siren Type" setting. Address 867.
 0 = 1 second burst (Default). 1 = 10 second burst. 2 = 1 Sec burst every 60 Secs for 5 Mins.

6. **Enable the System Inputs that are required to activate the Dialer.**

1 - AC Fail.	7 - PWR Fuse / Battery Fuse.
2 - Low Battery.	8 - Zone Self-Test Fail.
3 - Cabinet Tamper.	

How to Enter Data. Select Address: Press then the Address .. (2 or 3 digits), then . NOTE: Pressing will take you to the next Address.
 Enter Data: Press then the new Data .. (1-16 digits) Option to Select/De-select , then . NOTE: sets Data/Options to Factory Default.

7. Enable any additional General System Options that are required.
 1 ^ Auto-Isolate on Arming.
 4 * Clock sync. to 50Hz AC Mains.
 2 Quick Arming.
 5 ^ Automatic Battery Testing.
 3 6 digit PIN codes.
 6 "Latching" Key-switch operation.
 ^ Recommended.
 * Already enabled by default.

Address 868
 Section 3. p1.

8. Program current Time and Date.
 Set the Real-Time Clock.
 The date and time are stored in the following order: mm:hh ; DD:MM:YY ; d
 i.e. Minute, Minute; Hour, Hour; Day, Day; Month, Month; Year, Year;
 e.g. 1) 07:24 AM, Monday, June 5, 2001
 2) 05:15 PM, Thursday, September 20, 2001
 Day Of Week: (Sunday = 1)
 2,4,0,7,0,5,0,6,0,1,2, <ENTER>
 1,5,1,7,2,0,0,9,0,1,5, <ENTER>

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 Section 4. p4.

9. IF the system is to report in Contact ID or Domestic Dialer formats, program the Dialer options.
 -Program the Primary & Secondary Telephone numbers.

-Select the Reporting Format. 1 = Contact ID. 2 = Domestic*
 (* DTMF Card must be fitted to Control Module)

-Select the required Dialer Options.
 1 - Alarms reported via Dialer. 4 - Prog. change reported via Dialer. 6 - Remote control via DTMF Card enabled.*
 2 - Restores reported via Dialer. 5 - Report Open only after an alarm. 7 - Isolates reported via Dialer.
 3 - Area Open/Close reported via Dialer.

Addresses 16 & 32.
 Section 10. p1 & 2.
Address 48.
 Section 10. p2.

Address 49.

-Program the Area 1 Client Code. (4 Digits -supplied by the Central Monitoring Station)

Address 896.
 Section 10. p5.

10. IF periodic Test Reports are to be sent to the Central Monitoring Station, program the Test Report options.

-Program the Test Report period.
 0 - No Test Report. 1 - Every Day.
 2 - Every Monday. 3 - First day of every Month.

Address 51.
 Section 10. p3.

-Program the time of day the Test Report is to be sent.

Address 52: Hour.
Address 53: Min.
 Section 10. p3.

11. IF Remote connection for Upload/Download or Telephone is required, program the Remote Connect options.
 Enable Remote Connect: Select 1 (Remote Connect allowed)

Address 54.
 Section 10. p4.

12. Change the Installer PIN code.
 This should be done before the system is commissioned and handed over to the client.
 Ensure that a new PIN code is chosen that will not be forgotten, while still providing security against unauthorised access.

Address 96.
 Section 11. p1.

13. Program the Users.
 A Master User Code must be used to program the Users. See Section 11: Users, or the User's Manual for details.

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Address.	FUNCTION.	PROGRAMMED SETTING.	DEFAULT
81	ANSWER MACHINE (FAX) BYPASS 0 - Bypass disabled 2 - Follow-on time = 30 secs	Section 10. p4 1 - Follow-on time = 10 secs 3 - Follow-on time = 60 secs	0
82	PORT 0 COMMS TASK 0 - Serial Port not used 2 - Printer (Not yet available)	Section 10. p4 1 - STU (Not yet available) 3 - Upload/Download	0
83	PORT 0 BAUD RATE 0 - 300 2 - 4800	Section 10. p5 1 - 1200 3 - 9600	3 - 9600
736-787	ZONE INPUT PROGRAMMING.	See Separate Table	
788	SIREN TIME	(0 to 255 Minutes)	5 Minutes
789	KEYPAD LOCKOUT TIME	(0 to 255 Seconds)	60
790-809	TIMEZONE PROGRAMMING.	See Separate Table	
810	AC REPORT DELAY CAUTION: Read manual before changing.	(0 to 60 Minutes)	0
816-857	AUXILIARY PROGRAMMING.	See Separate Table	
865	SYSTEM INPUT SIREN ENABLE 1 - AC fail 2 - Low battery 3 - Cabinet Tamper 4 - Keypad Lockout 5 - Comm Fail / System Reset 6 - Siren Monitor 7 - PWR Fuse / Battery Fuse	Options No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes []	No No No No No No No No

Address.	FUNCTION.	PROGRAMMED SETTING.	DEFAULT
866	SYSTEM INPUT DIALER ENABLE 1 - AC fail 2 - Low battery 3 - Cabinet Tamper 4 - Keypad Lockout 5 - Comm Fail / System Reset 6 - Siren Monitor 7 - PWR Fuse / Battery fuse 8 - Zone Self-test Fail	Section 7. p1 Options No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes []	No No No No No No No No
867	SYSTEM INPUT SIREN TYPE 0 - One second burst 2 - One second burst every 60 seconds for Siren Time OR until Alarm acknowledged.	Section 7. p1 1 - Ten second burst	0
868	GENERAL OPTIONS 1 - Auto Isolate on Arming 2 - Quick Arming 3 - 6 Digit PIN codes (Normally 4 Digits) 4 - Clock synchronized to 50Hz AC Mains. 5 - Automatic Battery Testing 6 - Key Switch Zones "latching". 7 - Enable Master User/s to edit Telephone numbers. 8 - Display Zone activity on Terminals when Area/System is Disarmed.	Section 3. p1 Options No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes []	No No No Yes No No No Yes
869	EMERGENCY OPTIONS 1 - Panic alarms will activate the Siren. 2 - Panic alarms will activate the Dialer. 3 - Fire alarms will activate the Siren. 4 - Fire alarms will activate the Dialer. 5 - Medical alarms will activate the Siren. 6 - Medical alarms will activate the Dialer. 7 - Duress alarms will activate the Dialer.	Section 3. p2 Options No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes []	No No No No No No No
870	AUTOARM PRE-WARN TIME	Section 5. p2 Options _____ (0 to 255 Seconds)	0

How to Enter Data. Select Address: Press then the Address .. (2 or 3 digits), then . **NOTE:** Pressing will take you to the next Address.
 Enter Data: Press then the new Data .. (1-16 digits) **OR** Option to Select/De-select , then . **NOTE:** sets Data/Options to Factory Default.

Address.	FUNCTION.	PROGRAMMED SETTING.	DEFAULT
871	RE-AUTOARM TIME	___ (0 to 255 Minutes)	0
872	DOOR UN-LOCK TIME	___ (0 to 60 Seconds)	5
896-947	AREA PROGRAMMING.	See Separate Table	
952	TERMINAL 1 ASSOCIATED AREA 1 - Area 1 3 - Area 3	___ (1 - 4)	1
953	TERMINAL 2 ASSOCIATED AREA	___ (1 - 4)	1
954	TERMINAL 3 ASSOCIATED AREA	___ (1 - 4)	1
955	TERMINAL 4 ASSOCIATED AREA	___ (1 - 4)	1
960	MULTI AREA OPTIONS 1 - Multi-Area Mode 2 - Enable Area 4 as the Sub-Area 3 - Include Area 1 in Area 4 Sub-Area List 4 - Include Area 2 in Area 4 Sub-Area List 5 - Include Area 3 in Area 4 Sub-Area List	Options No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes []	No No No No No No
961	TERMINAL AREA MODE 1 - Set Terminal 1 to Single Area Mode. 2 - Set Terminal 2 to Single Area Mode. 3 - Set Terminal 3 to Single Area Mode. 4 - Set Terminal 4 to Single Area Mode.	Options No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes []	No No No No
966-985	HOLIDAY PROGRAMMING.	See Separate Table	
986	DAYLIGHT SAVING START MONTH	___ (0 - 12)	0
987	DAYLIGHT SAVING START WEEK	___ (1 - 5)	5

Address.	FUNCTION.	PROGRAMMED SETTING.	DEFAULT
988	DAYLIGHT SAVING DAY-OF-WEEK IN START WEEK 1 - Sunday 2 - Monday 3 - Tuesday 4 - Wednesday 5 - Thursday 6 - Friday 7 - Saturday	Section 4. p3 — (1 - 7)	1. Sunday
989	DAYLIGHT SAVING END MONTH Section 4. p4	— (0 - 12)	0
990	DAYLIGHT SAVING END WEEK Section 4. p4	— (1 - 5)	5
991	DAYLIGHT SAVING DAY-OF-WEEK IN END WEEK 1 - Sunday 2 - Monday 3 - Tuesday 4 - Wednesday 5 - Thursday 6 - Friday 7 - Saturday	Section 4. p4 — (1 - 7)	1. Sunday

How to Enter Data. Select Address: Press then the Address (2 or 3 digits), then . **NOTE:** Pressing will take you to the next Address.
 Enter Data: Press then the new Data (1-16 digits) **OR** Option to Select/De-select , then . **NOTE:** sets Data/Options to Factory Default.

ZONE INPUT PROGRAMMING Section 6.

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
ZONE TYPE	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751
0 - Instant 1 - Delayed 2 - Handover 3 - 24 Hour Burglary 4 - 24 Hour Fire 5 - 24 Hour Panic 6 - 24 Hour duress 7 - Spare 8 - KeySwitch Arm 9 - KeySwitch Home																
Default	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZONE OPTIONS	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767
1 - Silent 2 - One-shot Siren 3 - One-shot Dialer ("Single Hit" reporting) 4 - Pulse Count 5 - Self-test Zone 6 - Day Alarm Zone 7 - Home Zone 8 - Normally Open																
ZONE AREAS *1	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783
Assigned to Area 1 Assigned to Area 2 Assigned to Area 3 Assigned to Area 4																
GLOBAL ZONE OPTIONS	Add.	Value	Default													
PULSE COUNT (0 - 15)	784		0	*1 Zones enabled by Default are assigned to Area 1. (Zones 1 to 8 if Factory Default, or the specified number of Zones if Defaulted via Installer Mode 02.)												
PULSE TIME (0 - 255 Seconds)	785		0	*2 END-OF-LINE RESISTOR TYPES: Single EOL: 0 -1k / 1 -1k5 / 2 -2k2 / 3 -3k3 / 4 -3k9 / 5 -4k7 / 6 -5k6 / 7 -6k8 / 8 -10k / 9 -12k / 10 -22k Dual EOL: 11 -2k2, 2k2 tamper / 12 -2k2, 6k8 tamper / 13 -3k3, 6k8 tamper												
END-OF-LINE RESISTOR TYPE (0 - 15) *2	786		3	Zone Doubled: 14 -1k, 3k3, 6k8 zone doubled / 15 -1k, 3k3, 6k8 zone doubled. No separate tamper state.												
ZONE SELF-TEST PERIOD (0 - 16)	787		0													

TIMEZONE PROGRAMMING Section 4. p2.

	TIMEZONE 1	TIMEZONE 2	TIMEZONE 3	TIMEZONE 4
START HOUR (0-23) / START MINUTE (0-59)	790 / 791	795 / 796	800 / 801	805 / 806
Default	09:00	09:00	07:00	20:00
END HOUR (0-23) / END MINUTE (0-59)	792 / 793	797 / 798	802 / 803	807 / 808
Default	17:00	13:00	20:00	07:00
DAYS OF WEEK	794	799	804	809
1-Sun 2-Mon 3-Tue 4-Wed 5-Thur 6-Fri 7-Sat 8-Hol	S M T W T F S H	S M T W T F S H	S M T W T F S H	S M T W T F S H
Default	M T W T F	S	S M T W T F S H	S M T W T F S H

AUXILIARY PROGRAMMING Section 8.

	AUX 1	AUX 2	AUX 3	AUX 4	AUX 5	AUX 6	AUX 7	AUX 8	AUX 9	AUX 10
AUXILIARY EVENT TYPE (0 to 59)	816	817	818	819	820	821	822	823	824	825
See Programming manual for Event Types.										
Default	1	0	0	0	0	0	0	0	0	0
AUXILIARY TIMERS (0-255)	832	833	834	835	836	837	838	839	840	841
(Should be programmed for Event Types 17-32, 34 & 57)										
AUXILIARY RESPONSE Default = 2 & 3 All Auxes.	848	849	850	851	852	853	854	855	856	857
1-Output is Inverted.										
2-On when Event goes Valid.										
3-Off when Event goes Invalid. (Not relevant for Event Types 17-32, 34 & 57 - Use a Timer)										
4-Timer will time in Minutes.										

How to Enter Data. Select Address: Press then the Address .. (2 or 3 digits), then . **NOTE:** Pressing will take you to the next Address.
 Enter Data: Press then the new Data .. (1-16 digits) **OR** Option to Select/De-select , then . **NOTE:** sets Data/Options to Factory Default.

AREA PROGRAMMING Section 5.

	AREA 1	AREA 2	AREA 3	AREA 4
AREA CLIENT CODE (4 Digits)	896	900	904	908
AREA ENTRY DELAY TIME (0-255 Seconds)	928	929	930	931
Default	30	0	0	0
AREA EXIT DELAY TIME (0-255 Seconds)	936	937	938	939
Default	60	0	0	0
AREA ARMING OPTIONS	944	945	946	947
0-No TimeZone Control 2-TimeZone 1 Control 2-TimeZone 2 Control 3-TimeZone 3 Control 4-TimeZone 4 Control				

HOLIDAY PROGRAMMING Section 4. p3.

	HOL 1	HOL 2	HOL 3	HOL 4	HOL 5	HOL 6	HOL 7	HOL 8	HOL 9	HOL 10
HOLIDAY MONTH (0 - 12)	966	968	970	972	974	976	978	980	982	984
HOLIDAY DAY (0 - 31)	967	969	971	973	975	977	979	981	983	985

INSTALLER MODES SUMMARY

MODE 01. PROGRAMMING MODE. NEXT 01

Enter PIN; [n] [n] [n] ..., then [NEXT], then the Mode number; [0], [1]. The <HOME>, <FAULT> and <PWR> Lamps on the LED Terminal will flash simultaneously.

MODE 02. DEFAULTING THE CONTROL MODULE. NEXT 02

Enter PIN; [n] [n] [n] ..., then [NEXT], then the Mode number; [0], [2]. The <HOME>, <FAULT> and <PWR> Lamps on the LED Terminal will flash simultaneously.

Select the Default Option: Press [ON], then the Default Option [n] [n] (1 or 2 digits), then [ENTER]

Option 0: The Control Module memory is completely cleared with the exception of the Installer and Master User Codes.

Options 1 to 16: The Control Module memory is defaulted to the Factory settings AND the number of Zones specified by the Option selected, are programmed into Area 1.

Option 49: The Master Code is defaulted to the Factory setting and all other programming is left intact.

CAUTION: Defaulting the Control Module will erase all current programming stored in the memory before implementing any Factory default settings. (Except for Option 49)

Reset the Control Module: Disconnect the AC Input and the Battery from the Control Module, then re-connect.

MODE 03 / MODE 04. IMPORT/EXPORT DATA FROM/TO THE PROGRAMMING KEY. NEXT 03/NEXT 04

Connect the Programming Key to Serial Port 0 on the Control Module.

Import Data from the Programming Key to the Control Module: Enter PIN; [n] [n] [n] ..., then [NEXT], then the Mode number; [0], [3].

Export Data from the Control Module to the Programming Key: Enter PIN; [n] [n] [n] ..., then [NEXT], then the Mode number; [0], [4].

The Lamp on the Key will flash to indicate data is being copied. The Terminal beeper will sound 3 short beeps if the operation was successful, or 1 long beep if unsuccessful.

MODE 05. TERMINAL AREA PROGRAMMING. NEXT 05

Select the Terminal Programming Mode: Enter PIN; [n] [n] [n] ..., then [NEXT], then the Mode number; [0], [5]

Select the Terminal Area Mode: (Not relevant to Enhanced Terminals which cannot be set to Multi-Area)

Press [ON] to Set the current Terminal to Single Area Mode. Press [OFF] to Set the current Terminal to Multi Area Mode.

When Single Area Mode is selected, the default "Associated Area" is Area 1 (General Area)

Select the Associated Area: (Single Area Mode must be selected in the previous step) Press the number [n] (1 to 4) of the Area.

How to Enter Data. Select Address: Press [OFF], then the Address [n] [n] .. (2 or 3 digits), then [ENTER]. **NOTE:** Pressing [OFF] will take you to the next Address.

Enter Data: Press [ON], then the new Data [n] [n] .. (1-16 digits) OR Option to Select/De-select [n], then [ENTER]. **NOTE:** [ON], [CLR], [ENTER] sets Data/Options to Factory Default.

