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Solution 862

Quick Reference Guide

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Solution 862

Quick Reference Guide

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Introduction

Thankyou for choosing the *Solution 862* control panel for your installation. We are sure that you will find this system extremely flexible, reliable and easy to use.

Before using the system for the first time, we suggest that you read the section in this Quick Reference Guide called Programming With The Remote Codepad to familiarise yourself with the basic programming methodology.

The Quick Reference Guide is supplied with the *Solution 862* control panel to provide users with enough basic information to wire, configure and operate the system. Due to the systems many programmable features and options we suggest that you obtain the complete Installation Manual which provides detailed information on all system options and functions as well as detailed information on the numerous programming methods.

Programming

The programming options of the control panel are stored in a non-volatile Eprom. This memory will hold all the relevant configuration and user specific data even during a total power loss.

The data retention time is as long as ten years without power; therefore, no reprogramming will be required after powering the control panel down.

The data can be changed as many times as required without the need for any additional specialised equipment. This memory is laid out in numerous locations, each of which holds the data for a specific function.



15 is the maximum value that can be programmed into any location.

In general, the entire programming sequence will consist of nominating the required location number and then entering or changing the current data. You will repeat this procedure until all the data has been programmed to suit your requirements. The factory default settings have been selected for reporting in the Contact ID Format.

The Installers Code only gives access to the Installer's Programming Mode and does NOT arm and disarm the system.

Programming of the *Solution 862* control panel can be carried out via any of the four following methods.

- System Codepad
- Hand Held Programmer (CC814)
- Programming Key (CC891)
- Alarm Link Upload/Download Software (CC816)

Programming With The Remote Codepad

When programming the system via the remote codepad, the system must be in the disarmed state with no alarm memory present. To reset alarm memory, enter a **USER CODE** followed by the **AWAY** button. A user code is any code that has been programmed to arm and disarm the system including the Master Code.

To access the Installer’s Programming Mode, enter the four digit **INSTALLER CODE** followed by the **AWAY** button. The factory default Installer Code is **1234**. Two beeps will be heard and both the AWAY and the STAY indicators will flash simultaneously to indicate that you have entered Installer’s Programming Mode. When entering Installer’s Programming Mode, you will be automatically positioned at “LOCATION 000”, the beginning of the Primary Telephone Number for Receiver 1.

If attempting to enter Installer’s Programming Mode and a long beep is heard, access into Installer’s Programming Mode has been denied.

Data Value	Zone 1 Indicator	Zone 2 Indicator	Zone 3 Indicator	Zone 4 Indicator	Zone 5 Indicator	Zone 6 Indicator	Zone 7 Indicator	Zone 8 Indicator	MAINS Indicator
0									
1	✓								
2		✓							
3			✓						
4				✓					
5					✓				
6						✓			
7							✓		
8								✓	
9	✓							✓	
10									✓
11	✓								✓
12		✓							✓
13			✓						✓
14				✓					✓
15					✓				✓

Table 1: Zone Indicators When Programming

Example

To enter Installer’s Programming Mode, enter the **INSTALLER CODE** followed by the **AWAY** button. Two beeps will be heard and both the AWAY and the STAY indicators will flash simultaneously to indicate that you have entered Installer’s Programming Mode. The codepad indicators will display the current data stored in the first location (LOCATION 000).

To move to another programming location, enter the **LOCATION NUMBER** required followed by the **AWAY** button. The data of the new location will now be displayed (eg. **34** followed by the **AWAY** button will automatically step you to the beginning of the Subscriber ID Number for Receiver 1).

To move to the next location, press the **AWAY** button. This will step you to the next location and the data in that location will be displayed (eg. If you are currently positioned at “LOCATION 034”, pressing the **AWAY** button will step you to “LOCATION 035”).

If you press the **STAY** button without previously entering a location number, the system will step back one location (eg. If you are positioned at “LOCATION 034” and you press the **STAY** button, you will step back one location to LOCATION 033).

To change data in the current location, enter the new value (0 – 15) followed by the **STAY** button. This will store the new data into the location and still leave you positioned at the same location. You will notice that the new information programmed will be displayed on the codepad indicators. (eg. If you enter the value **14** followed by the **STAY** button, both ZONE 4 and the MAINS indicator will illuminate).

To move to the next location, press the **AWAY** button. The data in the next location will now be displayed.

To exit the Installer’s Programming Mode, enter command **960** followed by the **AWAY** button. Two beeps will be heard and the STAY and AWAY indicators will extinguish. The system will now return to the disarmed state and is now ready for use.

Refer to Installer’s Programming Commands on page 8 for further information on commands that can be performed during access of Installer’s Programming Mode.

Programming Option Bits

When programming these locations, you will notice that there are four options per location. You may select one, two, three or all four of these options, however, only one number needs to be programmed. This number is calculated by adding the option bit numbers together.

Example

If at "LOCATION 177" you want options 1, 2 and 4, add the numbers together and the total is the number to be programmed. In this example, the number to be programmed is 7 (ie. 1 + 2 + 4 = 7).

<i>Option</i>	<i>Description</i>
1	Enabled = Allow Dialler Reporting Functions Disabled = Disable All Dialler Reporting Functions
2	Enable Remote Arming Via The Telephone
4	Enable Answering Machine Bypass Only When Armed
8	Enabled = Use Bell 103 For FSK Format Disabled = CCITT V21 Format

Table 2: Example - Programming Option Bits

Quick Start

The following steps will allow you to use the *Solution 862* control panel with the factory default values. The default values allow the control panel to communicate in the Contact ID format.

1. After all wiring has been completed, connect the AC plug pack to the control panel. Both the MAINS and AWAY indicator's will illuminate. The MAINS indicator will display to indicate that the AC mains supply has been connected. The AWAY indicator displays that the system is now armed in the AWAY Mode. If any 24 hour zones are unsealed at the time the system is powered up, the siren, strobe and bell outputs will activate into alarm and the corresponding zone indicator will flash.
2. Enter the default Master Code **2580** followed by the **AWAY** button to disarm the system and to reset any alarm that may have occurred during the system power up. The AWAY indicator will extinguish to indicate that the system has now been disarmed. If any zone indicators are flashing, this would indicate that an alarm had occurred on that zone. If a zone indicator is constantly illuminated, this would indicate that the zone is unsealed.
3. The back-up battery should now be connected.
4. Enter the factory default Installer Code **1234** followed by the **AWAY** button. Two beeps will be heard and the STAY and AWAY indicators will now flash simultaneously to indicate that you have now entered Installer's Programming Mode. When entering Installer's Programming Mode, you will be automatically positioned at "LOCATION 000", the beginning of the Primary Telephone Number For Receiver 1.
5. Enter the Primary Telephone Number followed by the Secondary Telephone Number and the Subscriber ID Number for Receiver 1.

Remember that when programming a zero in the telephone numbers of Receiver 1 and Receiver 2, a zero must be programmed as a ten. Programming a zero in the telephone number will indicate the end of the dialling sequence. A zero must be programmed as a zero in all other locations other than the Primary and Secondary Telephone Numbers for Receiver 1, Receiver 2 and the Call Back Telephone number, unless otherwise stated.

6. Set the time for the test reports if required. Any other programming changes required may also be made, otherwise the factory default settings will be used.
7. Enter Installer's Command **960** followed by the **AWAY** button to exit Installer's Programming Mode. Two beeps will be heard and the STAY and AWAY indicators will extinguish. The system has now returned to the disarmed state and is now ready for use. Refer to Installer's Programming Commands on page 8 for more information.
8. Use the Master Code to set the date and time. Refer to How To Set The New Date and Time on page 7 for more information.

How To Set The New Date and Time



1. Enter your **MASTER CODE** followed by **6** and the **AWAY** button.
Three beeps will be heard and the STAY and AWAY indicators will begin to flash.
2. Enter the day, month, year, hour and minute using the (DD, MM, YY, HH, MM) format (ie. DD = Day of the month, MM = Month of the year, YY = Current year, HH = Hour of the day, MM = Minute of the day).

Please note that when programming the hour of the day, you will need to use 24:00 hour format.

3. Press the **AWAY** button when finished.
Two beeps will be heard and the STAY and AWAY indicators will extinguish. The system will now return to the disarmed state and is ready for use.

$$\begin{aligned}
 & \boxed{\text{MASTER CODE}} + 6 + \boxed{\text{AWAY}} \\
 & + \text{DD} + \text{MM} + \text{YY} + \text{HH} + \text{MM} \\
 & \quad + \boxed{\text{AWAY}}
 \end{aligned}$$

Example

If the date and time needs to be set for the 1st January 1997 at 10:30 PM, program the date and time as follows;

$$\begin{aligned}
 & \boxed{\text{MASTER CODE}} + 6 + \boxed{\text{AWAY}} \\
 & + 0 + 1 + 0 + 1 + 9 + 7 + 2 + 2 + 3 + 0 \\
 & \quad + \boxed{\text{AWAY}}
 \end{aligned}$$

Zone Defaults

The default zone settings are as listed in the table below.

Zone No	Zone Type	Zone No	Zone Type
1	Delay-1	5	Instant
2	Handover	6	Instant
3	Handover	7	24 Hour Fire
4	Handover	8	24 Hour Tamper

Table 3: Zone Defaults



The quick start example given in this quick reference guide is a simplified description of how to configure the panel. This system offers many other programmable features which are described in detail in the *Solution 862 Installation Manual (MA406I)*.

Installer's Programming Commands

There are ten different commands that can be used to perform various functions once the Installer's Programming Mode has been entered. To issue the command required, enter the corresponding numerical code followed by the # button

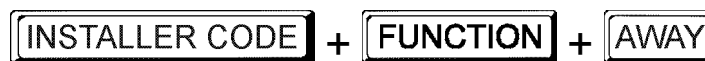
Command	Description
958	Enable/Disable Zone Status Mode When Using Hand Held Programmer
959	Test Programming Key
960	Exit Installer's Programming Mode
961	Reset Control Panel Back To Factory Default Settings
962	Copy The Control Panel Memory To The Programming Key
963	Copy The Programming Key Data To The Control Panel
964	Erase Programming Key
965	Set Up Domestic Dialling Format
966	Enable/Disable Automatic Stepping Of Locations During Programming
999	This Command Displays The Control Panel's Software Version Number Or Control Panel Type

Table 4: Installer's Programming Commands

Installer Code Functions

Installer Code functions are designed to allow the installer to perform various system tests without the need to know a Master Code.

To enter the required Installer Code function, enter the **INSTALLER CODE** followed by the required **FUNCTION** digit and the **AWAY** button.



These functions can only be carried out when the system is in the disarmed state.

Function	Description
0	Reserved
1	Set Number Of Days Until The First Test Report
2	Change Domestic Telephone Numbers
3	Change Telco Arm/Disarm Sequence
4	Setting STAY Mode 2 Zones
5	EDMSAT - Satellite Siren Service Mode
6	Turning Telephone Monitor Mode On/Off
7	Walk Test Mode
8	Event Memory Recall Mode
9	Reserved

Table 5: Installer Code Functions

Master Code Functions

Master Code functions are designed to allow those users that have the appropriate priority level to perform certain functions of a supervisory level. These functions can only be carried out when the system is in the disarmed state.



The default Master Code is **2580** and is known as User Code 1. It is possible for the system to have multiple Master Codes.

To enter the required Master Code function, enter the **MASTER CODE** followed by the required **FUNCTION** digit and the **AWAY** button.



MASTER CODE + **FUNCTION** + **AWAY**

These functions can only be carried out when the system is in the disarmed state.

<i>Function</i>	<i>Description</i>
0	Reserved
1	Changing and Deleting User Codes/Radio Codes
2	Changing Domestic Telephone Numbers
3	Changing Telco Arm/Disarm Sequence
4	Setting STAY Mode 2 Zones
5	Turning Outputs On/Off
6	Setting The Date and Time
7	Walk Test Mode
8	Event Memory Recall Mode
9	Reserved

Table 6: Master Code Functions

Fault Analysis Mode

Whenever a system fault occurs, the FAULT or MAINS indicator will flash and the codepad will beep once every minute.



If the MAINS indicator is flashing, this is because the AC mains supply has been disconnected from the control panel. If the AC mains supply has been disconnected continuously for more than 2 minutes, the control panel will send a Contact ID Event Code 301 to the base station receiver and the codepad will commence beeping once every minute until the AC mains supply has been reconnected.

There is no need to determine this type of system fault. Pressing the **AWAY** button will acknowledge the AC mains fail and will stop the codepad beeping once every minute.

When the AC mains supply has been reconnected, the MAINS indicator will automatically stop flashing and return to its normal state. Once the AC mains supply has been connected continuously for two minutes, the control panel will send an AC mains fail restore report and the codepad will automatically stop its once a minute beep.

How To Determine The Type Of System Fault

To determine all other system faults other than the AC mains supply, enter fault analysis mode by following the steps outlined below.

1. Hold down the **5** button until two beeps are heard. The FAULT indicator will remain steady and the STAY and AWAY indicators will flash in unison with each other.

The illuminated ZONE indicator(s) indicates the type of system fault that has occurred. Refer to "Table 7: Fault Indicators" below for the list of different system faults that may occur.

2. To exit fault analysis mode, press the **AWAY** button. The STAY and AWAY indicators will extinguish and the FAULT indicator will remain illuminated.

Zone Indicator	Fault Description
1	Low Battery
2	Date and Time
3	Sensor Watch
4	Horn Speaker Disconnected
5	Telephone Line Fault
6	E ² Fault
7	Fuse Fail
8	Communications Failure

Table 7: Fault Indicators

How To Acknowledge The System Fault

1. To acknowledge the system fault, press the **AWAY** button. The FAULT indicator will remain illuminated and the codepad will cease its once a minute beep.

Hold Down Functions

Hold Down functions have been incorporated to allow easy activation of specific operations. When a button is held down for two seconds, two beeps will be heard and a particular function will operate. The available hold down functions are listed below.

<i>Function</i>	<i>Description</i>
AWAY	Arm The System In AWAY Mode
STAY	Arm The System In STAY Mode 1
0	Arm The System In STAY Mode 2
1	Horn Speaker Test
2	Bell Test
3	Strobe Test
4	Turning Day Alarm On and Off
5	Fault Analysis Mode
6	Initiate A Modem Call
7	Reset Latching Outputs
8	Codepad Beeper Tone Change
9	Initiate A Test Report

Table 8: Hold Down Functions

How To Test The Dialler

Telephone monitor mode allows the remote codepad to be used for a visual representation of data transmissions between the control panel and the base station receiver. The dialling sequence is also shown in this mode.

The codepad will beep once every two seconds while telephone monitor mode is turned on regardless of whether the system is in Installer's Programming Mode or normal operating mode. The first five indicators are used to display the progressive steps for a transmission to the base station receiver.

<i>Zone Indicator</i>	<i>Dialling Event</i>
1	Telephone Line Seized
2	Dialling Phone Number
3	Handshake Received
4	Data Is Being Transmitted
5	Kiss-Off Received
None	Telephone Line Released

Table 9: Telephone Monitor Mode Indications

How To Turn Telephone Monitor Mode On

1. Enter your followed by **6** and the button. Three beeps will be heard.

How To Turn Telephone Monitor Mode Off

1. Enter your followed by **6** and the button. Two beeps will be heard.

Location 177

Dialler Options 1

- 1 = Enable Dialler Reporting Functions
- 2 = Enable Remote Arming Via The Telephone
- 4 = Enable Answering Machine Bypass Only When Armed
- 8 = Enabled - Use Bell 103 For FSK Format Disabled – CCITT V21

9

Location 178

Dialler Options 2

- 1 = Send Open/Close Reports Only If A Previous Alarm Has Occurred
- 2 = Send Open/Close Reports When In STAY Mode 1 and STAY Mode 2
- 4 = Delay Siren Until Transmission Complete
- 8 = Extend Time To Wait For Handshake From 30 Seconds To 55 Seconds

0

Location 179

Dialler Options 3

- 1 = Set DTMF Dialling Pulses To 1 Digit/Second
- 2 = Reserved
- 4 = Change Decadic Dialling To 60/40
- 8 = Reserved

0

Location 180

Alarm Link Options

- 1 = Enable Upload/Download Via Alarm Link
- 2 = Enable Alarm Link Call Back
- 4 = Terminate Alarm Link Connection On Alarm
- 8 = Use External Modem Module (CC811) For Alarm Link Operations

3

Location 181 - 184

Installer Code

1 2 3 4

Location 185 – 264

User Codes

	Location 185 - 189		Location 190 - 194
	User Code 1	2 5 8 0 10	User Code 2
			15 15 15 15 2
Location 195 - 199		Location 200 - 204	Location 205 - 209
User Code 3	15 15 15 15 2	User Code 4	15 15 15 15 2
			Location 210 - 214
User Code 6	15 15 15 15 2	User Code 7	15 15 15 15 2
			Location 215 - 219
Location 225 - 229		Location 230 - 234	Location 220 - 224
Radio Code 9	15 15 15 15 2	Radio Code 10	15 15 15 15 2
			Location 235 - 239
Location 240 - 244		Location 245 - 249	Location 220 - 224
Radio Code 12	15 15 15 15 2	Radio Code 13	15 15 15 15 2
			Location 250 - 254
Location 255 - 259		Location 260 - 264	
Radio Code 15	15 15 15 15 2	Radio Code 16	15 15 15 15 2
	15 15 15 15	0	
	User Code	Priority	

Priority	Description	Priority	Description
0	Arm/Disarm	6	Arm/Disarm + Code To Isolate + Open/Close Report
1	Arm Only	8	Arm/Disarm + Master Code Functions
2	Arm/Disarm + Open/Close Report	10	Arm/Disarm + Master Code Functions + Open/Close Report
3	Arm Only + Close Report	12	Arm/Disarm + Master Code Functions + Code To Isolate
4	Arm/Disarm + Code To Isolate	14	Arm/Disarm + Master Code Functions + Code To Isolate + Open/Close Report

Table 10: User Code Priority Levels

Location 265

Day Alarm Zones

1 = Zone 1
2 = Zone 2

4 = Zone 3
8 = Zone 4

0

Location 266

EOL Resistor Value

0 = No End Of Line Resistor
1 = 1K
2 = 1K5
3 = 2K2
4 = 3K3
5 = 3K9
6 = 4K7
7 = 5K6
8 = 6K8

9 = 10K
10 = 12K
11 = 22K
12 = Reserved
13 = Reserved
14 = Reserved
15 = Split EOL (3K3/6K8) – Six Burglary Zones and Two 24 Hour Zones

15

Location 267 - 322

Zones

Zone 1 Location 267 - 273	Zone 2 Location 274 - 280
2 0 0 1 14 1 1	1 0 0 1 14 1 1
Zone 3 Location 281 - 287	Zone 4 Location 288 - 294
1 0 0 1 14 1 1	1 0 0 1 14 1 1
Zone 5 Location 295 - 301	Zone 6 Location 302 - 308
0 0 0 1 14 1 1	0 0 0 1 14 1 1
Zone 7 Location 309 - 315	Zone 8 Location 316 - 322
13 0 0 1 12 1 1	9 0 0 1 12 1 1

Zone Type	Zone Pulse Count	Zone Pulse Count Time	Zone Option 1	Zone Option 2	Report Code	Dialler Options
-----------	------------------	-----------------------	---------------	---------------	-------------	-----------------

Zone Types

There are fifteen different zone types to choose from. Each zone contains eight locations. Zones 1 to 6 are fully programmable whereas zones 7 and 8 may only be programmed to any 24 hour zone type.

Zone Type	Description	Zone Type	Description
0	Instant	8	24 Hour Hold-Up
1	Handover	9	24 Hour Tamper
2	Delay-1	10	Reserved
3	Delay-2	11	Keyswitch
4	Reserved	12	24 Hour Burglary
5	Reserved	13	24 Hour Fire
6	24 Hour Medical	14	Chime Only
7	24 Hour Panic	15	Zone Not Used

Table 11: Available Zone Types

Zone Pulse Count Settings

The pulse count settings for each zone can be programmed between 0 - 15.

Zone Pulse Count Time

Zone pulse count time is the time frame or period over which the number of pulses must register.

<i>20 ms Loop Response Time Zone Pulse Count Time</i>		<i>150 ms Loop Response Time Zone Pulse Count Time</i>	
0	0.5 Second	8	20 Seconds
1	1 Second	9	30 Seconds
2	2 Seconds	10	40 Seconds
3	3 Seconds	11	50 Seconds
4	4 Seconds	12	60 Seconds
5	5 Seconds	13	90 Seconds
6	10 Seconds	14	120 Seconds
7	15 Seconds	15	200 Seconds

Table 12: Zone Pulse Count Time Options

Zone Options 1

<i>Option</i>	<i>Description</i>
1	Lockout Siren/Lockout Dialler
2	Delay Alarm Reporting
4	Silent Alarm
8	Sensor Watch

Table 13: Zone Options 1

Zone Options 2

<i>Option</i>	<i>Description</i>
1	Isolated In STAY Mode 1
2	Zone Isolation Allowed
4	Forced Arming Allowed
8	Enable Zone Restore Report

Table 14: Zone Options 2

Zone Dialler Options

<i>Option</i>	<i>Description</i>
0	No Report Required
1	Receiver 1
2	Receiver 2
4	Receiver 1 + 2
8	Receiver 2 Only When Receiver 1 Fails

Table 15: Zone Dialler Options

Zone Descriptions

Use this table as a reference to indicate what each zone is connected to.

<i>Zone</i>	<i>Description</i>	<i>Zone</i>	<i>Description</i>
1		5	
2		6	
3		7	
4		8	

Table 16: Zone Descriptions

Location 323				
<i>Swinger Shutdown Count For Siren</i>				3
Location 324				
<i>Swinger Shutdown Count For Dialler</i>				6
Location 325 - 326				
<i>Zone Status - Bypass Reports</i>	Location 325 Location 326	Zone Bypass Report Zone Bypass Restore Report	9	8
Location 327 - 328				
<i>Zone Status - Trouble Reports</i>	Location 327 Location 328	Zone Trouble Report Zone Trouble Restore Report	2	3
Location 329 - 330				
<i>Zone Status - Sensor Watch Reports</i>	Location 329 Location 330	Sensor Watch Report Sensor Watch Restore Report	4	5
Location 331				
<i>Zone Status - Alarm Restore Code</i>				14
Location 332				
<i>Zone Status Reporting Options</i>	0 = No Report Required 1 = Receiver 1 2 = Receiver 2 4 = Receiver 1 + 2 8 = Receiver 2 Only When Receiver 1 Fails			1
Location 333 - 334				
<i>Open/Close Reports</i>	Location 333 Location 334	Opening Report Closing Report	11	12
Location 335				
<i>Open/Close Reporting Options</i>	0 = No Report Required 1 = Receiver 1 2 = Receiver 2 4 = Receiver 1 + 2 8 = Receiver 2 Only When Receiver 1 Fails			1
Location 336				
<i>Codepad Duress Report</i>				6
Location 337 - 338				
<i>Codepad Panic Report</i>			7	15
Location 339 - 340				
<i>Codepad Fire Report</i>			7	14
Location 341 - 342				
<i>Codepad Medical Report</i>			7	13
Location 343				
<i>Codepad Reporting Options</i>	0 = No Report Required 1 = Receiver 1 2 = Receiver 2 4 = Receiver 1 + 2 8 = Receiver 2 Only When Receiver 1 Fails			1

Location 344 - 345

System Status – Fuse Fail Report

10	3
----	---

Location 346 - 347

System Status – Fuse Fail Restore Report

10	8
----	---

Location 348 - 349

System Status – AC Fail Report

10	2
----	---

Location 350 - 351

System Status - AC Fail Restore Report

10	7
----	---

Location 352 - 353

System Status - Low Battery Report

10	1
----	---

Location 354 - 355

System Status - Low Battery Restore Report

10	6
----	---

Location 356 - 358

System Status – Access Denied

Location 356 Code Retries
 Location 357 Reporting Code – Tens Digit
 Location 358 Reporting Code – Units Digit

6	7	12
---	---	----

Location 359

System Status Reporting Options

0 = No Report Required
 1 = Receiver 1
 2 = Receiver 2
 4 = Receiver 1 + 2
 8 = Receiver 2 Only When Receiver 1 Fails

1

Location 360 - 366

Test Reporting Time

Location 360 Actual Hour Of The Day (Tens Digit)
 Location 361 Actual Hour Of The Day (Units Digit)
 Location 362 Actual Minute Of The Day (Tens Digit)
 Location 363 Actual Minute Of The Day (Units Digit)
 Location 364 Test Report Code (Tens Digit)
 Location 365 Test Report Code (Units Digit)
 Location 366 Repeat Interval In Days

0	0	0	0	7	1	0
---	---	---	---	---	---	---

Location 367

Test Reporting Dialler Options

0 = No Report Required
 1 = Receiver 1
 2 = Receiver 2
 4 = Receiver 1 + 2
 8 = Receiver 2 Only When Receiver 1 Fails

1

Location 368 - 397

Output Configurations

Output 1

1	14	0	0	0	0
---	----	---	---	---	---

Location 368 - 373

Default For
Horn Speaker

Output 2

2	7	10	2	1	5
---	---	----	---	---	---

Location 374 - 379

Default For
Fire Alarm Verification

Strobe

2	0	6	4	0	8
---	---	---	---	---	---

Location 380 - 385

Default For Strobe
(Reset In 8 Hrs)

Relay

1	15	1	0	0	0
---	----	---	---	---	---

Location 386 – 391

Default For
Sirens Running

Codepad

0	13	2	1	0	1
---	----	---	---	---	---

Location 392 – 397

Default For Entry/Exit
Warning + Day Alarm

--	--

Event Type

--

Polarity

--

Time Base

--	--

Time Multiplier

Location 398 - 399 <i>Entry Timer 1</i>	Location 398 Location 399	Increments Of 1 Second (0 - 15 Sec's) Increments Of 16 Seconds (0 - 240 Sec's)	<input type="text" value="4"/> <input type="text" value="1"/>
Location 400 - 401 <i>Entry Timer 2</i>	Location 400 Location 401	Increments Of 1 Second (0 - 15 Sec's) Increments Of 16 Seconds (0 - 240 Sec's)	<input type="text" value="8"/> <input type="text" value="2"/>
Location 402 - 403 <i>Exit Time</i>	Location 402 Location 403	Increments Of 1 Second (0 - 15 Sec's) Increments Of 16 Seconds (0 - 240 Sec's)	<input type="text" value="12"/> <input type="text" value="3"/>
Location 404 - 405 <i>Entry Guard Time For STAY Mode</i>	Location 404 Location 405	Increments Of 1 Second (0 - 15 Sec's) Increments Of 16 Seconds (0 - 240 Sec's)	<input type="text" value="0"/> <input type="text" value="0"/>
Location 406 - 407 <i>Delay Alarm Reporting Time</i>	Location 406 Location 407	Increments Of 1 Second (0 - 15 Sec's) Increments Of 16 Seconds (0 - 240 Sec's)	<input type="text" value="0"/> <input type="text" value="0"/>
Location 408 - 409 <i>Sensor Watch Time</i>	Location 408 Location 409	Increments Of Days (Tens Digit) Increments Of Days (Units Digit)	<input type="text" value="0"/> <input type="text" value="0"/>
Location 410 <i>Codepad Lockout Time</i>	Location 410	Increments Of 10 Seconds	<input type="text" value="0"/>
Location 411 <i>Siren Run Time</i>	Location 411	Increments Of 1 Minute (0 - 15 Min's)	<input type="text" value="5"/>
Location 412 <i>Siren Sound Rate (Slow <-Sound-> Fast)</i>			<input type="text" value="7"/>
Location 413 <i>Auto Arming Pre-Alert Time</i>	Location 413	Increments Of 5 Minutes	<input type="text" value="1"/>
Location 414 - 417 <i>Auto Arming Time</i>	Location 414 Location 415 Location 416 Location 417	Hour Of The Day (Tens Digit) Hour Of The Day (Units Digit) Minute Of The Day (Tens Digit) Minute Of The Day (Units Digit)	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
Location 418 - 421 <i>Auto Disarming Time</i>	Location 418 Location 419 Location 420 Location 421	Hour Of The Day (Tens Digit) Hour Of The Day (Units Digit) Minute Of The Day (Tens Digit) Minute Of The Day (Units Digit)	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
Location 422 <i>Kiss-Off Wait Time</i>	Location 422	Increments Of 500 ms (500 ms - 8 Sec's)	<input type="text" value="3"/>
Location 423 <i>Reserved</i>			<input type="text" value="0"/>

Location 424 <i>System Options 1</i>	1 = Enable EDM Smart Lockout 2 = Enable Monitoring Of Horn Speaker 4 = Allow Strobe Indications For Radio Arm/Disarm 8 = Allow Horn Speaker Beeps For Radio Arm/Disarm	1
Location 425 <i>System Options 2</i>	1 = Enable Codepad Panic To Be Silent 2 = Enable Codepad Fire To Be Silent 4 = Enable Codepad Medical To Be Silent 8 = Enable Access Denied To Be Silent	0
Location 426 <i>System Options 3</i>	1 = Enable AC Fail In 1 Hour 2 = Ignore AC Mains Fail Indication 4 = Enable Pulse Count Handover 8 = Enable Handover Delay To Be Sequential	8
Location 427 <i>System Options 4</i>	1 = Allow The Panel To Power Up In The Disarmed State 2 = Enable Arm/Disarm Tracking On Power Up 4 = Enable Internal Crystal To Keep Time 8 = Enable Radio Key/Keyswitch Interface Or Night Arm Station	0
Location 428 <i>Consumer Options 1</i>	1 = Send Test Reports Only If The System Is Armed 2 = Send Test Report After Siren Reset 4 = Enable Auto Arm In STAY Mode 1 8 = Enable The STAY Indicator To Display Day Alarm Status	0
Location 429 <i>Consumer Options 2</i>	1 = Enable Codepad Extinguish Mode 2 = Enable Single Button Arming In AWAY, STAY Mode 1 and STAY Mode 2 4 = Enable Single Button Disarming From STAY Mode 1 and STAY Mode 2 8 = Enable Alarm Memory Reset On Disarm	2
Location 430 <i>Consumer Options 3</i>	1 = Enable Codepad Fault Alarm Beeps 2 = Use Digit 3 For Codepad Duress Instead Of Digit 9 4 = Enable Operation Of Siren & Strobe In STAY Mode 1 and STAY Mode 2 8 = Reserved	5
Location 431 <i>Radio Input Options</i>	1 = Radio Receiver 2 = Momentary Keyswitch Input 3 = Latching Keyswitch Input 4 = Reserved	0
Location 900 <i>Disable Factory Default</i>	0 = Defaulting Enabled 15 = Defaulting Disabled	0
Location 901 - 904 <i>System Time</i>	Location 901 Hour Of The Day (Tens Digit) Location 902 Hour Of The Day (Units Digit) Location 903 Minute Of The Day (Tens Digit) Location 904 Minute Of The Day (Units Digit)	0 0 0 0
Location 905 - 910 <i>System Date</i>	Location 905 Day Of The Month (Tens Digit) Location 906 Day Of The Month (Units Digit) Location 907 Month Of The Year (Tens Digit) Location 908 Month Of The Year (Units Digit) Location 909 Year (Tens Digit) Location 910 Year (Units Digit)	0 1 0 1 0 1

Connections For Split EOL Resistors For 6 Burglary Zones and 2 x 24 Hour Zones

Enable Six Burglary Zones and Two 24 Hour Zone Operation Using (3K3/6K8) Configuration and N/C Switches.

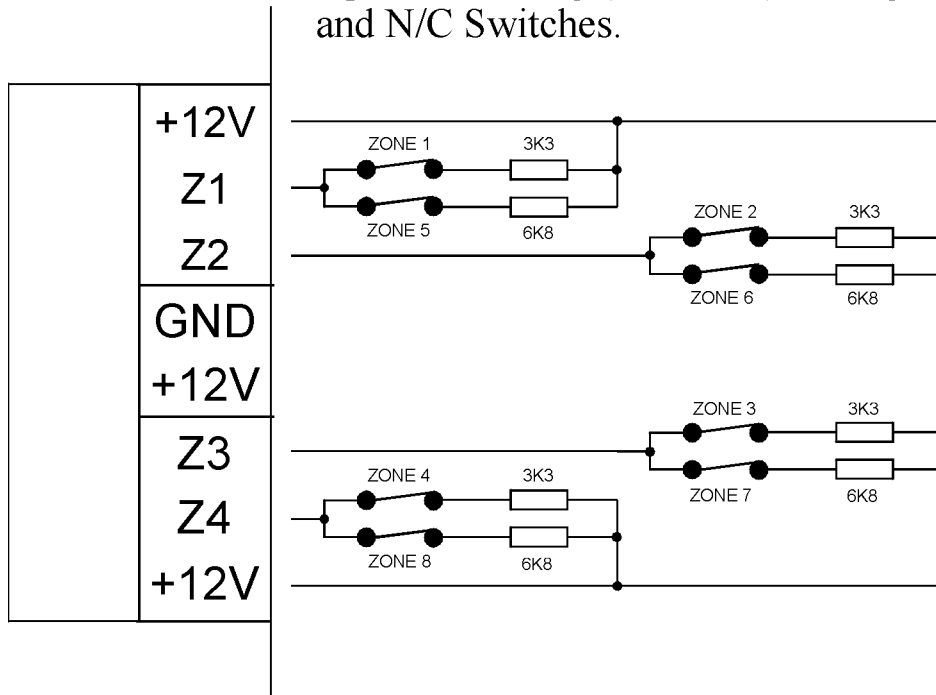


Figure 1: Split EOL Wiring Diagram

Wiring Diagram For Keyswitch Zone

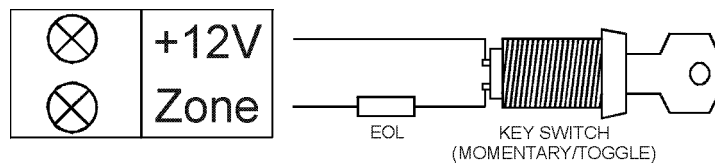


Figure 2: Wiring Diagram For Keyswitch Zone

Wiring Diagram

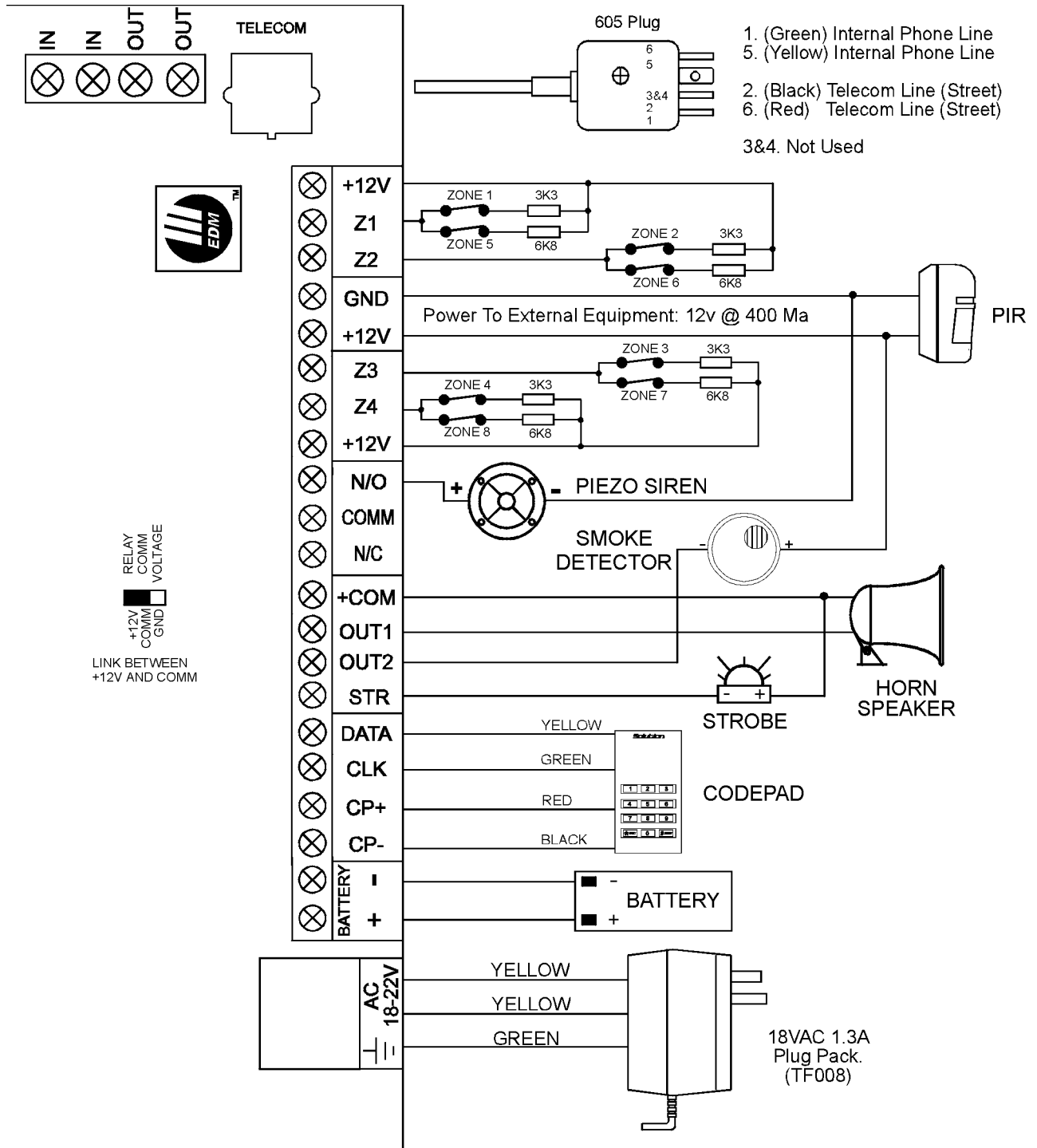


Figure 3: Solution 862 Wiring Diagram

Component Overlay

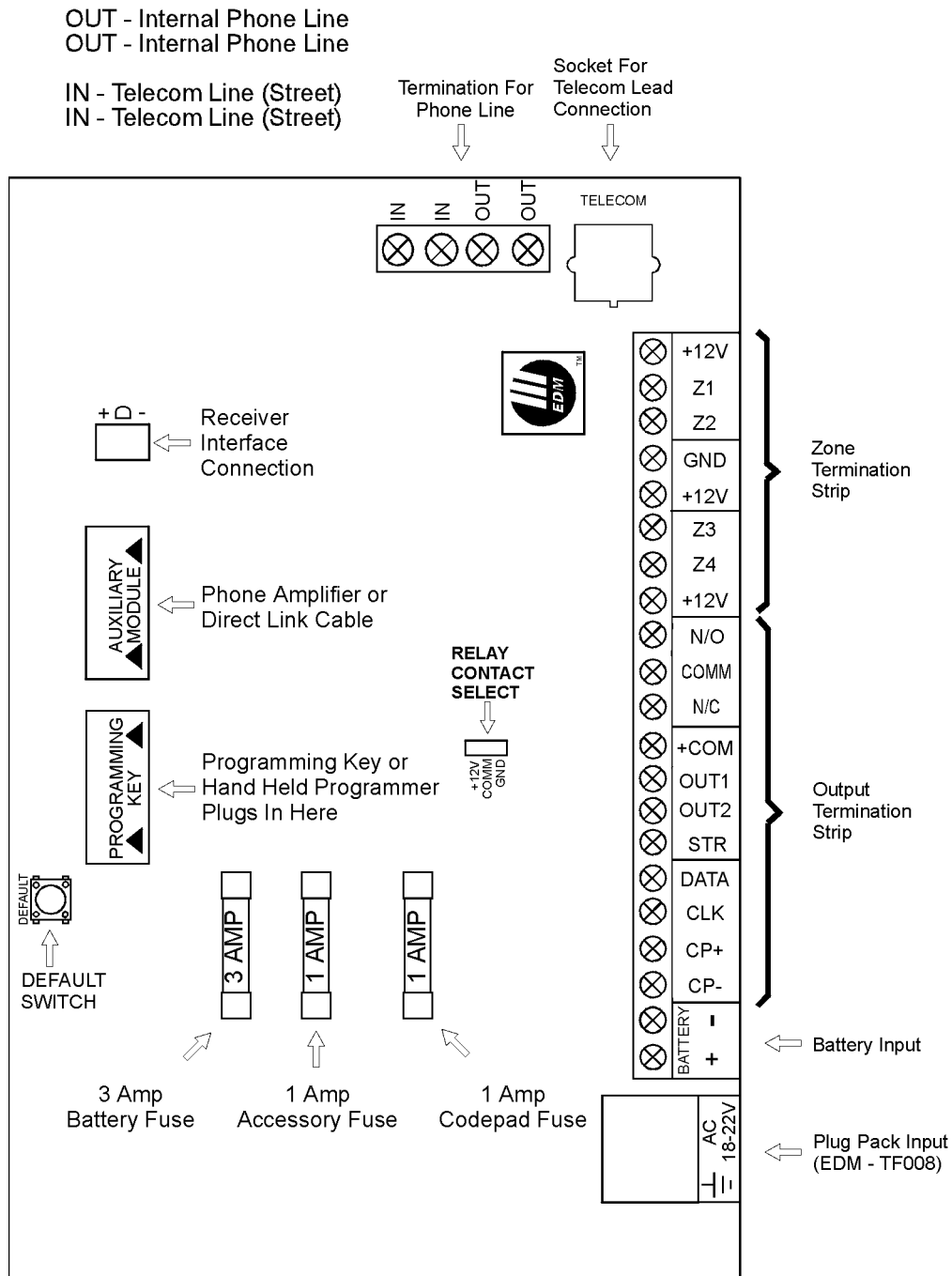


Figure 4: Solution 862 Component Overlay

Solution Wireless On/Off Interface

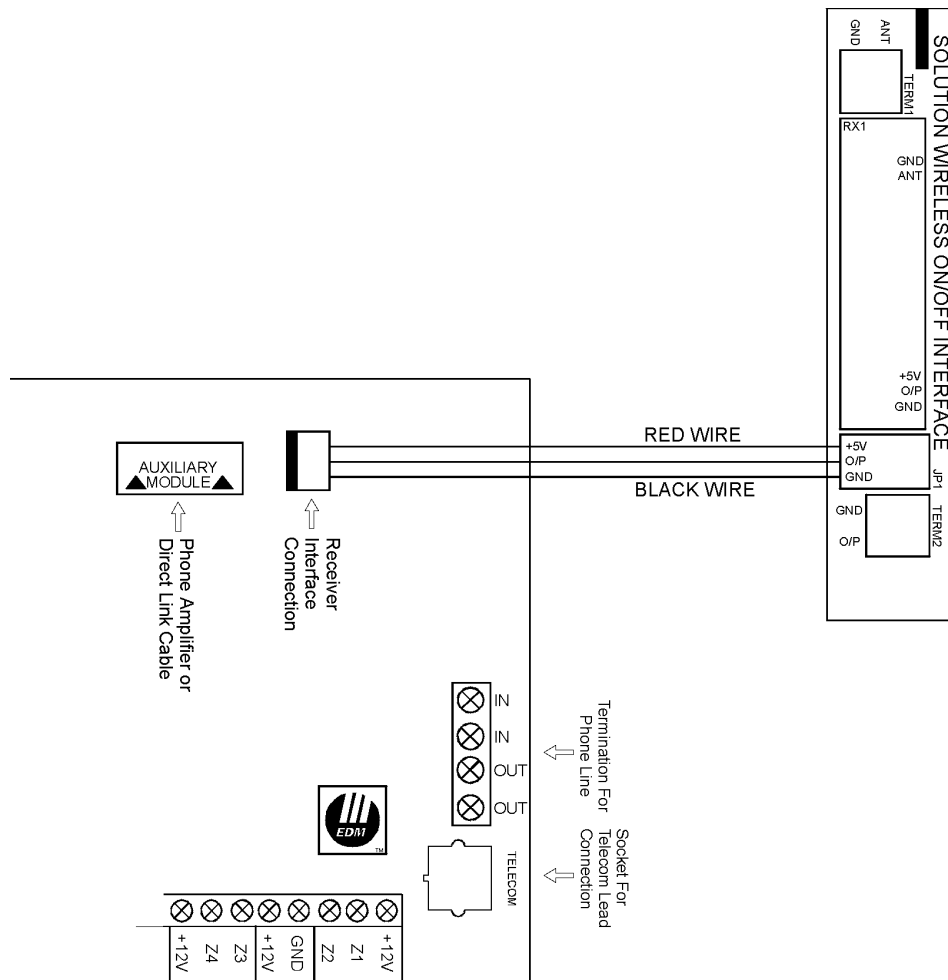


Figure 5: Solution Wireless On/Off Interface

Dear Customer,

This Quick Reference Guide is supplied as a very limited document intended only to provide basic installer information. With this information you should be able to make the equipment operational in its simplest form provided you already have a basic understanding of the product. Installers who intend to make repeated installations are urged to purchase the full 200+ page installation manual which contains a wealth of information, diagrams and details the many outstanding features and benefits of the product.

Due to the size of this manual it is no longer practical for it to be included with every panel purchase. The cold hard facts are if the installation manual were to be included then the basic panel purchase price would increase to cover the extra costs.

The savings in panel costs will be multiplied with every new purchase and the benefits of having a detailed reference manual will save you countless dollars during your installation and service activities. Our environment also benefits from this policy as many installers would simply discard the surplus manuals. The cost of their disposal to the community, the trees required to produce the manuals in the first place and even the increased packaging costs all of which you the customer would be paying for.

Our surveys have found that 95% of installers are repeat product users and that there is nothing to be gained by having to pay for a manual with every panel. Instead we have made the installation manual a tool which is tax free to purchase and 100% tax deductible as a cost incurred in earning income.

It is obvious that the advantages of one manual for one installer greatly outweigh the disadvantages of not supplying an installation manual with every panel. I hope that this brief explanation shows that our intent is to save you money while still maintaining a superior standard of technical documentation.



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