DL-250

DOWNLOADABLE CONTROL COMMUNICATOR

INSTALLATION MANUAL

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DL250
INSTALLATION MANUAL

General Description

The DAS DL250 is a versatile 8 expandable to 16 zone security control. Its microcomputer design gives some of the most versatile, yet easy to use features available for most security applications today. Some of the features of the DL250 include; Partitionable up to three separate systems, dual reporting, Partial Arm (for at home monitoring), 15 user codes, internal log, domestic dialling, dynamic battery test, plus many more. Each of the 8 zones can be programmed to be one of nine different types including 24 Hour, Handover, Day Zone, and secondary entry. The system can be used with LCD or LED Code Pads, key switches, or radio remote arming. Each zone is individually annunciated and can be isolated from the Code Pad if so enabled. See page 11 for a description of all zone types. Read the OPERATOR'S MANUAL before you begin the installation for the best overall description of how the DL250 functions. After installation of the security system, complete the information on page 1 of the operator's manual and explain the system operation to all security system owners/operators.

Standard Parts List

The DL250 is shipped with the parts listed below.

QUANTITY	PARTS DESCRIPTION	PART #
1	MASTER CONTROL PANEL W/O CODE PAD	FS4640
20	3K3 ½WATT EOL RESISTORS	EOL-33
1	TELECOM PHONE LEAD	FS4596
1	INSTALLATION MANUAL	IM-DL250
1	OPERATORS MANUAL	OM-DL250

Optional Parts List

The following parts are available for use with the DL250.

OPTIONAL PARTS DESCRIPTION	PART #
8 LED REMOTE CODE PAD	FS4580
SMART 8 LED CODE PAD ****(SMART BUSS COMPATIBLE)***	FS4672
SMART 12 LED / 4 ZONE EXPANDER REMOTE CODE PAD ***#(SMART BUSS ONLY)***	FS4673
LCD ALPHA NUMERIC DISPLAY CODE PAD ****(SMART BUSS COMPATIBLE)***	FS4534
AC POWER SUPPLY 16.5V 1.5 AMP PLUG PACK	FS4402
SMART PROGRAMMER WITH LCD DISPLAY	FS4610
PROGRAMMER WITH DIGITAL NUMERIC DISPLAY	FS4597
8 WAY RELAY OUTPUT MODULE ***#(SMART BUSS ONLY)***	FS4634
16 WAY VOLTAGE OUTPUT MODULE ***#(SMART BUSS ONLY)***	FS4614
16 WAY X10 VOLTAGE OUTPUT MODULE ***#(SMART BUSS ONLY)***	FS4804
12 VOLT 6.5 AMP HOUR BATTERY	FS4312

*** SMART BUSS COMPATIBLE** - ARE PRODUCTS THAT CAN OPERATE IN EITHER BUSS PROTOCOLS. (Ref to buss protocols in "**FEATURE DEFINITIONS"** on next page).

 # SMART BUSS ONLY - ARE PRODUCTS THAT CAN ONLY OPERATE IN THE SMART BUSS PROTOCOLS. (Ref to buss protocols in "**FEATURE DEFINITIONS"** on next page).

FEATURE DEFINITIONS

Smart Buss
The DL250 must be converted from the Standard Buss to a more advanced communication buss protocol called “Smart Buss” when Partitioning and or Expansion devices are utilised. When the DL250 is set to Smart Buss, only Smart Buss compatible code pads and accessories can be used. A parts list is available on the previous page.

Partitions
The DL250 can be partitioned into a maximum of three separate systems with distinct user codes per system. See page 25 for complete instructions.

Secondary Exit Delay
Used most often for garage doors, this zone type is a second entry/exit delay that has its own delay times, independent of the standard entry/exit delay zone.

Group Isolate
Zones can be programmed to isolate as a group when the [✶] button is pressed during the exit delay. This feature is enabled in Locations 167-174: **Assigning Special Characteristics For Zones** beginning on page 15 of this manual.

Partial Arm (Entry Guard)
This unique home level arming allows you to remain inside your home and only arm areas that are not occupied. For example, Night Arming.

Chime
This lowest level of security can be enabled by zone (see page 16, Locations 175-182: **Assigning Audible Characteristics For Zones**) to create a time programmable tone through the Code Pad sounder when the system is disarmed and a zone is violated. If so programmed, this feature can be turned on and off by a one digit keypress programmed in Location 213: **Assigning The Chime Code** on page 20 of this manual.

Auto Isolate Enable
When enabled in location 196, the DL250 can be armed with zones violated, lacking a green "READY" light on the Code Pad. Under this condition, all zones that are not secure at the end of the exit delay will become isolated. All zones that become secured before the end of the exit delay will become active in the system.

Dynamic Battery Test
When enabled in locations 218, the DL250 can be programmed to perform a dynamic battery test for a selected duration, at a selected time.

Internal Event Log
Up to 256 events can be stored in memory along with the date and time of the event. These events can be viewed through the LCD Code Pad or the Dasload Download Software Package.

Twin Trip Zones
A **twin trip zone** requires two trips within the time programmed in location 191 or a continuous trip for more than ten seconds for an alarm activation. If a single trip on a **twin trip zone** is initiated, an alarm would only occur if any other zone has been in alarm, still is in alarm or any other zone is tripped with in the delay time set in location 191.

Radio Remote Arming
The **Radio Remote Arming** feature for the DL250 will cause the siren to pulse for a single burst, when the DL250 is disarmed. The speaker output will also pulse two bursts when the DL250 is armed.

Zone Tamper
The DL250 can monitor any one of its zone for a short or open circuit. If any one of these conditions occur the DL250 can report these events as **Zone Tamper**. With zone tamper enabled, zones only require one pair of wires to monitor both alarms and tamper.

Pager Format
The DL250 can report any alarm via the Pager Format to a compatible pager.

TERMINAL DRAWING & SPECIAL NOTES

TERMINAL DESCRIPTION

TERMINAL #	DESCRIPTION
1 - 4	Connect Code Pad wires as follows; Yellow to terminal 1, Green to terminal 2, Black to terminal 3, and Red to terminal 4. Maximum run with 7/020 cable is 70 metres. Maximum run with 14/020 cable is 120 metres. A maximum of 4 code pads may be connected to the DL250. Each code pad must be home run.
5	Connect one side of zone 1 loop. Connect other side of loop to common terminal 6. Open or short causes alarm
7	Connect one side of zone 2 loop. Connect other side of loop to common terminal 6. Open or short causes alarm.
8 - 16	See Terminal Drawing and repeat the above sequence for zones 3 through 8.
17	Resettable 12VDC 100mA Aux power.(Memory reset and/or Smoke detector power) this output may be reset by the # on the code pad.
18 - 19	Auxiliary power, regulated 12VDC. Maximum 400 mA for all Auxiliary power outputs.
20 - 21	Form A programmable on board relay output. Tied to auxiliary output #1.
22 - 24	Form C programmable on board relay output. Tied to auxiliary output #2.
25 - 26	Siren driver output to speaker(s). Speaker rating 10 or 15 watt at 4, 8, or 16 ohms). See page 8 for connection diagram.
27	Earth Ground, connect to a cold water pipe, or 6 to 10 foot driven rod
28 - 29	AC input, connect 16.5V 1.5 AMP approved transformer.
Box Tamper	The Box Tamper terminals are located at the top right side of the P.C.B. The tamper circuit is Normally Closed. The left terminal is the Negative (-) point of the circuit.
Battery Leads	Connect to 12VDC lead acid rechargeable battery: Black(-) & Red(+). Do not use a dry cell battery.
Buss Mode Toggle	**To momentary toggle the DL250 code pad communication protocol I.E. Switch from Smart Buss to Standard Buss or visa-versa. Short terminal (2) Data to terminal (5) zone one when powering up the DL250. This is ONLY a temporary mode to permit Buss mode switching. Refer to location 384 for more detail.**

FUSE DESCRIPTION

FUSE #	DESCRIPTION
F1	1 AMP / Code Pad & Smoke Detector Power
F2	2 AMP / Siren Driver
F3	3 AMP / Relay Power

PROGRAMMING

The DL250 can be placed into the "Program" mode by use of the new **FS4610 Smart Programmer**, or the original FS4597 programmer, or for Code Pad programming, by utilising the FS4534 LCD Code Pad (the preferred method) or the FS4531 LED Code Pad. These methods are described below.

Using a Programmer

The FS4610 Smart Programmer has been designed to make programming of the DL250 simpler as well as more efficient for users. The FS4610 programmer features up to 16 resident standard programs to allow for separate system standardisation. Plug the optional model FS4610 programmer into the 4-pin male outlet marked "program" on the DL250 P.C. Board. We have also created a method that allows owners of the original FS4597 programmer to use this programmer with the DL250. The FS4597 will program all locations of the DL250 but requires additional care for locations 400 and above. When the 400 location is reached, the two right 7 segment numeric displays will begin to flash on and off and the left side numeric display will change to "0". The flashing is a signal to add a 4 to the left side number to determine which location you are now programming. For example, if you are in location 435, the left (100's column) will be displaying a "0", the middle (10's column) will be flashing and displaying a "3", and the right (one's column) will be flashing and displaying a "5". By adding a 4 to the "0" displayed in left column, it is determined that the location number is 435.

Using The LCD Code Pad

The most straightforward method of Code Pad programming is to utilise the FS4534 LCD Code Pad in the programming mode. To access the programming mode enter [C] [0] [0], followed by the four digit "Go To Program" access code which is factory default [9] [0] [5] [0] (this code can be reprogrammed), and follow the Code Pad prompts.

Using The LED Code Pad

The DL250 can also be programmed by the standard binary method of Code Pad programming described below. However, with over 400 locations, this method will be difficult except for the most experienced programmer. When the FS4531 LED Code Pad is used for programming, enter the factory default four digit "Go To Program" access code of [9] [7] [1] [3]. NOTE: The DL250 must be disarmed to gain access to programming with this code. After entry of this code, the DL250 will be in the "Program" mode, and the yellow LED's will display the data in location 000. The data is displayed using a Binary system. With this system the yellow zone 1 LED equals "1" when illuminated. The zone 2 LED equals "2" when illuminated. The zone 3 LED equals "4" when illuminated. The zone 4 LED equals "8" when illuminated. Thus if the data in location 000 is "9", the LED for zone 1 (=1) and zone 4 (=8) would be illuminated. By adding the two values together, (1+8=9) you would determine that the data in location 000 is "9". If the data in location 000 is "6", the LEDs for zone 2 (=2) and zone 3 (=4) would be added (2+4=6) indicating the data in that location to be "6". If no LED's are illuminated, the location contains a "0". To advance from location 000 through 463, press the [#] key. To go to a specific location, press the location number followed by the [#] key. The yellow LED's will then display the data in that location. Data is changed by entering a number 0 to 15 followed by [✶] (✶ = data enter). Review the examples in figure 1 on the following page.

Important Function Codes

[9]-[5]-[0]-[#] When in the program mode, this function code can be used to write original factory default codes into the DL250.

[9]-[3]-[0]-[#] This function code is used to exit the programming mode after it was accessed via the Code Pad.

! ! ! IMPORTANT ! ! !

Before programming the DL250 for the first time, enter the "Go To Program Code" [9][7][1][3] from the Code Pad, followed by the factory default function code [9][5][0][#]. The panel defaults will now match this installation manual and you may begin programming the control panel. When using an optional plug-in programmer which automatically enters the programming mode, the only entry necessary is [9][5][0][#] to load factory defaults.

PROGRAMMING EXAMPLE - FIGURE 2

DIAGRAM MUST BE CHANGED TO- “MAXIMUM OF 4 CODE PADS PER SYSTEM”

SPECIAL APPLICATION NOTES

12 Volt Siren/Piezo and Strobe Connections For The DL250

Horn Speaker Connections For The DL250

1 x 8 Ohm 30-40 Watt speaker is connected directly across terminals 25 & 26.

Box Tamper Diagram

Code Pad Dip Switch Settings For The DL250

Telecom Mode 3 Connections

LOCATIONS 000-003: PROGRAMMING THE MASTER ARM/DISARM CODE

Locations 000-003 contain the master arm/disarm code (user number 1). Location 000 contains the first digit of the code; location 003 contains the fourth digit of the code. THE CODE MUST CONTAIN FOUR (4) DIGITS. The master code can then be used in the RUN mode to enter arm/disarm codes 1 - 15. The factory default code is [1][2][3][4].

LOCATIONS 004-055: PROGRAMMING THE ARM/DISARM CODE FOR USERS 2 THROUGH 14

Locations 004-055 contain the arm/disarm codes for users 2 through 14. To program these codes, follow the instructions in the paragraph above. To disable these codes, program a "15" (factory default) as the first digit of the code. These codes can be changed in the RUN mode using the master code (refer to operator's manual).

LOCATIONS 056-059: PROGRAMMING THE ARM/DISARM CODE FOR USER 15 (DURESS CODE)

Locations 056-059 contain the arm/disarm code for user number 15 (Duress Code). To program this code, follow the instructions in the paragraph above. This code can be used as a duress code if so programmed in locations 288 - 291. Factory default for this code is "15", disabled.

LOCATION 060-063: GO TO PROGRAM CODE

Locations 060-063 contain the "Go To Program" access code. Location 060 contains the first digit of the code and location 063 contains the fourth digit of the code. THE CODE MUST CONTAIN FOUR (4) DIGITS. With the DL250 disarmed, the "Go To Program" access code can be used to enter the program mode. To disable the "Go To Program" access code, program a "15" in location 060. The factory default setting is [9][7][1][3]. NOTE: The first digit of this code should not match the Quick-Arm digit. NOTE: If a "15" is programmed into location 60 to disable this code, programming can only be accessed through the downloading software , a plug in programmer or using the program code on a LCD code pad.

LOCATIONS 064-079: PARTITION SELECT FOR CODES 1-15 AND PROGRAM CODE

PARTITIONED SYSTEMS:

If partitions are utilised, codes may be assigned to a specific partition by using locations 064-079. This is done by disabling each individual code (code 1 is location 064, code 15 is location 079) for each of the four partitions that code should not have access to. Codes are selected by adding the binary equivalents for each partition together and placing that number in the proper location. Partition One = 1, Partition Two = 2, and Partition Three = 4. For example, if code 2 should only be valid for Partition Three, program a "4" in location 065. If code 10 is valid for Partitions Two, and Three, a "6" would be programmed in location 073. Factory default is "7", code valid for all partitions.

VALUE	PARTITION SELECTION	VALUE	PARTITION SELECTION
0	NO PARTITIONS ENABLED	4	ENABLES PARTITION 3
1	ENABLES PARTITION 1	5	ENABLES PARTITION 1 & 3
2	ENABLES PARTITION 2	6	ENABLES PARTITION 2 & 3
3	ENABLES PARTITION 1 & 2	7	ENABLES PARTITION 1, 2 & 3

LOCATIONS 080-094: AUTHORISATION LEVEL FOR CODES 1-15

Locations 080-094 can be used to control the arming and disarming authority of the individual arm/disarm codes. A code can be given limited authority by programming a number from 1 to 15 in the corresponding location for that code. Add the values in the table below that correspond to the desired arm/disarm characteristics, and program the sum in the appropriate locations. The opening communicator code (location 340), and the closing communicator code (location 341) must be enabled for opening/closing reports.

VALUE	AUTHORISATION LEVEL	VALUE	AUTHORISATION LEVEL
0	**NO AUTHORISATION LEVEL** (USED FOR AUXILIARY OUTPUT)	**9**	**REGULAR ARM/DISARM CODE OPEN/CLOSE REPORTS BY USER**
1	**REGULAR ARM/DISARM CODE**	**10**	ARM ONLY AFTER CLOSING TIME OPEN/CLOSE REPORTS BY USER
2	**ARM ONLY AFTER CLOSING TIME** NORMALLY REGULAR CODE, CHANGE TO ARM ONLY CODE AFTER THE CLOSING TIME, RESET AT THE OPEN TIME	**12**	ARM ONLY CODE OPEN/CLOSE REPORTS BY USER
4	**ARM ONLY CODE**		

LOCATION 095: DIAL ATTEMPTS FOR PHONE #1

Location 095 is used to enter the number of dial attempts (1 to 15 attempts) the communicator will try for phone number one before ending the notification process. Factory default is "6" and the communicator will make 2 attempts to the first number, and then 2 attempts to the second number alternating until the “6" attempts in total are made. If no second number is programmed all “6" attempts are made to the first number. If the factory default is modified in location 146, this dial sequence can be altered, refer location 146.

LOCATION 096: DIAL ATTEMPTS FOR PHONE #2

Location 096 is used to enter the number of dial attempts (1 to 15 attempts) the communicator will try for phone number two before ending the notification process. **NOTE**: Dial Attempts for Phone 2# will only be valid if **SPLIT** or **DUAL REPORTING** is enabled in location 146.

LOCATIONS 097-112: PRIMARY PHONE NUMBER

Phone # 1 is programmed in successive locations beginning with location 097. Delays of four seconds can be programmed at any point in the phone number by programming a "13" in the appropriate location. If tone dialling is desired, program a "15" in the location where tone dialling should begin. If a "✶" or "#" are required in your phone number then a "11" = "✶" and "12" = "#". If the entire number should be tone dialling, program a "15" in location 097. Factory default is "14" in each location and the phone number is not enabled. When using split or dual reporting, phone #1 always takes priority over phone #2. A "14" indicates the end of the phone number. Example: If phone number 02 is to be 7244211, and must be touch tone dialling, phone number 02 would be programmed as [15][✶][#][0][✶][#][2][✶][#][7][✶][#][2][✶][#][4][✶][#][4][✶][#][2][✶][#][1][✶] [#][1][✶] [#][14][✶][#]. The "15" selects touch tone dialling, and the "14" ends the phone number.

LOCATIONS 113-117: PRIMARY ACCOUNT CODE

The account code sent when phone #1 is dialled is programmed in locations 113-117. If the account code is three digits long, use locations 113-114-115, and program a "0" in locations 116 and 117. If the account code is four digits long, program a "0" in location 117. If a zero "0" is part of an account code, it should be programmed as a "10". Program a "0" to indicate the end of the account code. To make this account code the account code for "Partition One", see location 146. Example: Account number of 2090 would be entered as [2][✶][#] [10][✶][#] [9][✶][#] [10][✶][#] [0][✶][#] (starting at location 113). Account code of 209 for low speed would be entered as [2][✶][#] [10][✶][#] [9][✶][#] [0][✶][#] (starting at location 113).

LOCATION 118: PRIMARY FORMAT

The primary format is transmitted when the primary phone number is dialled. Select a format from below, and program the appropriate number in this location.

DATA	FORMAT	DESCRIPTION
0	**LOCAL ONLY**	COMMUNICATOR IS DISABLED
1	**ADEMCO CONTACT ID**	DTMF FORMAT
2	**ADEMCO 4/2 EXPRESS**	DTMF FORMAT
3	**PAGER FORMAT**	REPORTS IN 4 + 3 FORMAT AND/OR DOMESTIC DIALLING
4	**ADEMCO HIGH SPEED**	DTMF FORMAT
5	**RADIONICS EXTENDED SLOW**	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 20 PPS HEX EXT DOUBLE ROUND
6	**CADDX MODEM**	PROPRIETARY
7	**RADIONICS EXTENDED FAST**	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 40 PPS HEX EXT DOUBLE ROUND
8	**RADIONICS EXTENDED FAST**	1800Hz TRANSMITTAL 1400Hz HANDSHAKE 40 PPS HEX EXT DOUBLE ROUND
9	**RADIONICS EXT FAST W/PARITY**	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 40 PPS HEX EXTENDED
10	**NOT USED**	
11	**ADEMCO/SILENT KNIGHT SLOW**	1900Hz TRANSMITTAL 1400Hz HANDSHAKE 10 PPS DOUBLE ROUND PARITY
12	**SILENT KNIGHT 4+2 FAST**	1900Hz TRANSMITTAL 1400Hz HANDSHAKE 20 PPS DOUBLE ROUND PARITY
13	**SESCOA/FRANKLIN FAST**	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 20 PPS HEX DOUBLE ROUND
14	**SIA**	FSK FORMAT
15	**CUSTOM FORMAT**	SELECT YOUR OWN FORMAT FOR NON STANDARD BASE STATIONS. REFER TO APPENDIX (3).

Location 118 contains the communicator format used to transmit to the receiver connected to the phone #1. Consult the instructions for your central station receiver to determine which format is compatible. Select a format from the 14 listed above. If you require a format other than those listed, review the override options described in locations 252-255, to build the appropriate format. A "15" must be programmed in location 118 in addition to the entries into locations 252-255 in order to create a special format. If this location contains a "0", the built-in communicator will be disabled, and the DL250 will function as a local only control. When using pager format for domestic dialling, program the primary account code to "1717" and program a "1" in location 192 (all abort enable). Your telephone number will also require at least four (4) pauses ("13"s) added at the end of the phone number. Note The dial attempt counter must not be less than “4" attempts if the second phone number is programmed.

LOCATIONS 119-134: SECONDARY PHONE NUMBER

Locations 119-134 contain phone #2. This number allows certain communicator reports to go to another number (split reporting), or to cause the communicator to dial a second number if the primary number does not respond after the number of attempts programmed into location 95 have been tried unsuccessfully, or for dual reporting. The same number of attempts are made with the second phone number unless split or dual reporting is selected were the dial attempts in location 96 are used. Tone dialling and delay instructions are the same as for the primary number. A "14" indicates the end of the phone number.

LOCATIONS 135-139: SECONDARY ACCOUNT CODE

Locations 135-139 contain the account code for phone #2. The second account code can be programmed as per the primary account code. This account code is reported when partition two is programmed or split or dual reporting is enabled. If the account code is three digits long, use locations 135, 136, and 137. If a zero "0" is part of the account code it must be programmed as a "10". Program a "0" to indicate the end of the account code. If these locations contain a "0", the account code in locations 113-117 will be reported.

LOCATION 140: SECONDARY FORMAT

Location 140 contains the communicator format used to transmit to the receiver connected to phone #2. The second format is used when split or dual reporting is required. Consult the instructions for your central station receiver to determine which format is compatible. Select a format from the format chart. If you require a format other than those listed, review the override options described in locations 252-255 to build the appropriate format. A "15" must be programmed in location 140 in addition to the entries into locations 252-255 in order to crate a special format. If this location contains a "0", the format programmed into location 118 will be selected.

LOCATIONS 141-145: ACCOUNT CODE 3

Locations 141-145 are utilised to assign an account code for partition #3 if a unique code is desired. The third account code can be programmed as per the primary account code . If these locations contain "0", the account code listed in locations 113-117 will be used.

LOCATIONS 146: COMMUNICATOR DIALLING SEQUENCE OPTIONS

The number programmed into this location determines the sequence and method the communicator will utilise when reporting an event code. Use the table below to build the appropriate number. Add the number(s) associated with the desired features and program the sum in this location. Factory default is "3 programming the characteristics for data 1 and data 2 (1 + 2 = "3")

DATA	DESCRIPTION
"1"	Alternates between phone number #1 and phone number #2 in increments of two (2)calls to each, until the selected number of dial attempts has been made to each number.
"2"	The communicator attempts the number of dial attempts programmed into the number of dial attempts location to phone number #1 and if unsuccessful, it will delay 5 minutes and attempt the same number of dial attempts programmed into number of dial attempts to phone number #2. (see locations 095 and 096 dial attempts to phone number 1 & 2)
"4"	Force the communicator to tie the account code to the phone number. If this feature is not selected the account code will correspond to the partition. Select for split or dual reporting.
"8"	The communicator attempts the number of dial attempts programmed into the number of dial attempts location to phone number #1 and if unsuccessful, tries the same number of dial attempts programmed into number of dial attempts to phone number #2. (see locations 095 and 096 dial attempts to phone numbers 1 & 2)
"0"	If a "0" is entered, the account code corresponds to the partition.

SPLIT REPORTING:
Split reporting is when one group of zone or system events report to a selected destination via the primary phone number, primary account code and primary format. A second group of zone or system events report to a separate destination via the second phone number, the second account code and the second format.

DUAL REPORTING:
Dual reporting is when all zone or system events report to a selected destination via the primary phone number, primary account code and primary format. The same events report to a separate destination via the second phone number, the second account code and the second format.

NOTE: For most installations, default data "3" is required. Program a "4" for split or dual reporting.

LOCATION 147: NUMBER OF RINGS TO ANSWER A DOWNLOAD CALL

Location 147 contains the number of rings a DL250 must detect before answering the telephone when initiating a download session. If a number from "1" to "15" is entered in this location, the DL250 will answer after the number of rings entered in this location times two (2) has been detected ("1" = two rings through "15" = thirty rings). If a **"0"** is programmed into this location the DL250 will not answer the call and rings to answer is disabled. Default for this location is "0" disabled.

LOCATION 148: ANSWERING MACHINE DEFEAT

The number of rings (maximum 3) or less the control must see before it starts a 45 second defeat timer. To defeat an answering machine, or fax two telephone calls must be made to the premises. On the first call, let the phone ring the same number of times (or less) as the number programmed in this location (maximum 3). The control panel will detect these rings and start a 45 second timer. If a call comes in during that 45 second time frame the control panel will answer on the first ring. There must be at least five seconds delay between the first and second call to allow the DL250 to determine that there are no more ring coming from the first call. To disable this feature program a "0" into this location. Options for this location are "1" "2" or "3". **(Default "0" disabled)** Note: this feature must not be used when the control is connected to a phone line which may experience call traffic such as described above, which may cause the control to answer normal incoming calls .

LOCATION 149: TELEPHONE LINE MONITOR

Location 149 determines the action the DL250 will take when a phone line fault is detected. The options available are listed in the table below. Program one or any combinations of these characteristics in location 149. Factory default is "0" and the Phone line monitor is disabled. If **Enable silent (Value = 1),** is programmed then no code pad sounders or sirens are activated but the auxiliary output option Category 3 and event 9 may be used. If **Enable sirens (Value = 3)** is programmed, then the system siren will activate for the set siren time on a telephone line trouble condition. **Note:** A siren can only be activated once per telephone line trouble condition, the telephone line trouble condition must restore be for the siren can reactivate for a new telephone line trouble condition. If **Enable sirens (Value = 5)** is programmed, then the system code pad sounder will activate until a valid code is entered, on a telephone line trouble condition. In the event of a Phone line fault the **"Ready LED"** on the led code pad will flash to indicate Phone line fault. The LCD code pad will display "PHONE TROUBLE".

VALUE	TELEPHONE LINE MONITOR
0	DISABLED
1	ENABLES SILENT
3	ENABLES SIREN (timed)
5	ENABLES CODE PAD SOUNDER (latch)
7	ENABLES CODE PAD SOUNDER & SIREN

LOCATION 150: TELEPHONE LINE MONITOR DELAY

Location 150 contains the number of 10 second increments in the Telephone line monitor delay before phone line fault is activated. The Telephone line monitor delay is used to overcome unnecessary telephone line faults caused by the momentary removal of the DL250 phone line socket. The Telephone line monitor delay can be programmed in 10 second increments from 0 to 150 seconds ("0" = 0 seconds through "15" = 150 seconds). For example, programming a "2" in this location will produce a Telephone line monitor delay of 20 seconds. Programming a "6" in this location will produce a Telephone line monitor delay of 60 seconds. The phone line fault condition will not restore until the phone line is restored for the same period of time as programmed in this location. Factory default is "1" for 10 seconds delay.

LOCATION 151: DIAL ATTEMPT COUNTER

The number programmed in location 151 (1 to 15) will represent the number of failed dial attempts made by the DL250 before the action programmed in location 149 is activated. Factory default is "0" and this feature is not enabled. This feature can be used with a normally silent alarm activation that may require an audible action after a number of failed dial attempts.

LOCATION 152: PRIMARY ENTRY TIME

Location 152 contains the number of 5 second increments in the entry delay. The entry delay can be programmed in 5 second increments from 5 to 75 seconds ("1" = 5 seconds through "15" = 75 seconds). For example, programming a "2" in this location will produce an entry delay of 10 seconds. (Note: A "0" entry is treated as 0 seconds). Programming a "6" in this location will produce a delay of 30 seconds. The initiation of the entry time will produce a steady code pad sounder for the period of the entry delay. Factory default is 30 seconds.

LOCATION 153: PRIMARY EXIT TIME

Location 153 contains the number of 10 second increments in the exit delay. The exit delay can be programmed in 10 second increments from 10 to 150 seconds ("1" = 10 seconds through "15" = 150 seconds). For example, programming a "2" in this location will produce an exit delay of 20 seconds. (Note: A "0" entry is treated as 0 seconds). Programming a "6" in this location will produce an exit delay of 60 seconds. At the end of the exit delay a one (1) second beep will sound at the code pad indicating the end of the primary exit delay. Factory default is 60 seconds.

LOCATION 154: SECONDARY ENTRY TIME

Location 154 contains the number of 10 second increments in the entry delay, when an entry delay is initiated by a zone type 7. This entry delay can be programmed in 10 second increments for 10 to 150 seconds ("1" = 10 seconds through "15" = 150 seconds. (Note: A "0" entry is treated as zero (0) seconds). Programming a "6" in this location will produce an entry delay of 60 seconds. The initiation of the entry time will produce a steady code pad sounder for the period of the entry delay. Factory default is 60 seconds.

LOCATION 155: SECONDARY EXIT TIME

Location 155 contains the number of 10 second increments after arming, before zone trips will be recognised on a zone type 7. The exit delay can be programmed in 10 second increments from 10 to 150 seconds ("1" = 10 seconds through "15" = 150 seconds). For example, programming a "2" in this location will produce an exit delay of 20 seconds. (Note: A "0" entry is treated as zero (0) seconds). Programming a "6" in this location will produce an exit delay of 60 seconds. At the end of the exit delay a one (1) second beep will sound at the code pad indicating the end of the secondary exit delay. If the secondary exit delay time in this location is less than, or equal to that of the primary exit delay in location 153, then the secondary exit delay time will follow the primary exit delay time. Factory default is 90 seconds. Note: To achieve a one (1) second end of exit delay warning beep at the code pad, program this location with a value that is less than the primary exit time by the warning time required. I.E. If a warning beep is required 10 seconds before the end of a 60 second primary exit time, then program this location with a value of "5" for 50 seconds.

LOCATION 156: SIREN CUT-OFF TIME

Location 156 contains the number of 2 minute increments in the automatic cutoff time. The automatic cutoff time can be programmed in 2 minute increments from 2 to 30 minutes ("1" = 2 minutes through "15" = 30 minutes). For example, programming a "2" in this location will produce an automatic cutoff time of 4 minutes. (Note: A "0" entry is treated as the factory default of 8 minutes). Programming a "5" in this location will produce an automatic cutoff time of 10 minutes. NOTE: Please check your state regulations for the maximum siren time allowed by law, E.G. NSW EPA law currently allows 10 minutes maximum.

LOCATION 157: TAMPER SOUNDER CONTROL

Location 157 controls the audible characteristic of the DL250 for any zone tamper, or box tamper activation. Zone tampers can be individual enabled in locations 183-190. The box tamper is located at the top left side of the DL250 P.C.B, is a normally closed circuit and must be open circuit for activation. To select one of the options available program one of these characteristics listed in the table below in location 157. Factory default is "0" (silent characteristics). Note: the box tamper circuit must be sealed if not used.

VALUE	TAMPER SOUNDER CONTROL
0	SILENT
1	SIREN
2	CODE PAD SOUNDER
3	SIREN & CODE PAD SOUNDER

LOCATION 158: TWIN TRIP ZONE SOUNDER CONTROL

Location 158 controls the audible characteristic of the DL250 for the twin trip activation refer to location 183-190 for further detail on a twin trip zone type, Twin trip zones are also individually enabled in locations 183-190. The audible characteristic programmed will be activated when the first trip occurs on a twin trip zone. If a second trip occurs within the period programmed in location 191 or a continuous trip for more than 10 seconds occurs, the normal audible characteristic programmed for that zone type will over ride any options programmed in this location. Twin Trip zones can not be programmed for entry\exit zones. The audible characteristic will sound for the duration of the siren cut-off time programmed in location 156. Factory default is "0" (silent characteristics).

VALUE	SOUNDER CONTROL
0	SILENT
1	SIREN
2	CODE PAD SOUNDER
3	CODE PAD SOUNDER & SIREN

LOCATIONS 159-166: PROGRAMMING THE ZONE TYPES FOR ZONES 1-8

Locations 159 through 166 contain a number identifying the characteristics of zones 1 through 8. Location 159 corresponds to zone 1 and location 166 corresponds to zone 8. These zones have been factory defaulted to the zone type shown in the below chart. Other zone characteristics can be found in the table on the this page.

ZONE #	DEFAULT CHARACTERISTICS
1	"3" = ENTRY/EXIT DELAY ZONE
2	"5" = HANDOVER ZONE
3	"5" = HANDOVER ZONE
4 - 8	"6" = INSTANT

DATA	AVAILABLE ZONE TYPES
"1"	**DAY ZONE** - When armed, a trip produces an instant alarm. When disarmed, a trip activates the code pad sounder.
"2"	**24 HOUR** - A trip on a 24 Hour zone produces an instant alarm when armed or disarmed.
"3"	**ENTRY/EXIT** - A trip will start entry delay. The lack of a trip during exit delay will enable the **Auto Home** mode if so programmed.
"4"	**INTERIOR DELAY** - A trip on Interior Delay zone will initiate an entry delay. It will be ignored during exit delay and when disarmed . This zone type is used with the "Auto home/Instant" mode.
"5"	**HANDOVER** - Interior zone that follows delay zones. It can be bypassed before arming, or automatically bypassed in the "Auto home /Instant" mode if so programmed.
"6"	**INSTANT** - Produces an instant alarm if tripped when armed. Ignored when disarmed.
"7"	**SECONDARY DELAY** - Like an Entry/Exit zone but has its own independent delay time.
"8"	**FIRE** - A short on a FIRE zone will create an alarm condition when the DL250 is armed or disarmed. An open will create a **Trouble** condition. The code pad zone LED is steady for a fire condition and flashing for a trouble condition. After a fire activation the # key must be pressed on the keypad to clear the condition and reset the fire zone.
"9"	**KEY SWITCH** - A zone attached to a momentary key switch will cause the DL250 to arm or disarm when the zone is momentarily shorted from a sealed condition I.E. a 3.3K resister must be used to seal the zone for the feature to work. NOTE: Check the corresponding "Special Characteristics" for the selected Zone, If the zone programmed to operate as a key switch type also has Partial Arm selected, I.E. a "4" in "Special Characteristics" then the key switch will then arm/disarm Partial Mode.

LOCATIONS 167-174: ASSIGNING SPECIAL CHARACTERISTICS FOR ZONES 1-8

Locations 167 - 174 are used to assign zone characteristics for zones 1 through 8. Location 167 is for zone 1 and location 174 is for zone 8. Each zone can have any or all of the following characteristics regardless of the zone type selected in locations 159-166 excluding **Fire** zones, which cannot be **Isolated.** Factory default is "12" for each of these locations, meaning that **Zone Isolate Capability & Partial Arm** is enabled, and the other characteristics are not enabled. When **Partial Arm** is enabled, that zone is active in Partial mode. Remove this option from the zone(s) which are to be isolated in Partial mode. Note: zone will not isolate in partial mode or group isolate if (8) **Zone Isolate Capability** is not enabled.

VALUE	CHARACTERISTIC	VALUE	CHARACTERISTIC
0	NO FEATURE SELECTED	**8**	**ZONE ISOLATE CAPABILITY**
1	**FAST LOOP RESPONSE (200ms)**	**9**	FAST LOOP RESPONSE (200MS) ZONE ISOLATE CAPABILITY
2	**GROUP ISOLATE ZONE**	**10**	**GROUP ISOLATE ZONE** ZONE ISOLATE CAPABILITY
3	FAST LOOP RESPONSE (200MS) GROUP ISOLATE ZONE	**11**	FAST LOOP RESPONSE (200MS) GROUP ISOLATE ZONE ZONE ISOLATE CAPABILITY
4	**PARTIAL ARM ZONE (Active)**	**12**	PARTIAL ARM ZONE (Active) ZONE ISOLATE CAPABILITY
5	FAST LOOP RESPONSE (200MS) PARTIAL ARM ZONE (Active)	**13**	FAST LOOP RESPONSE (200MS) PARTIAL ARM ZONE (Active) ZONE ISOLATE CAPABILITY
6	GROUP ISOLATE ZONE PARTIAL ARM ZONE (Active)	**14**	GROUP ISOLATE ZONE PARTIAL ARM ZONE (Active) ZONE ISOLATE CAPABILITY
7	FAST LOOP RESPONSE (200MS) GROUP ISOLATE ZONE PARTIAL ARM ZONE (Active)	**15**	FAST LOOP RESPONSE (200MS) GROUP ISOLATE ZONE PARTIAL ARM ZONE (Active) ZONE ISOLATE CAPABILITY

LOCATIONS 175-182: ASSIGNING AUDIBLE CHARACTERISTICS FOR Zones 1-8.

Locations 175-182 are used to assign the audible characteristics of zones 1 through 8. Location 175 is for zone 1 and location 182 is for zone 8. Each zone can have one, or a combination of the following audible characteristics. To determine the appropriate data for these locations, refer to the chart below and add the sum of the corresponding values to arrive at the correct data for these locations. For all zones the factory default is "1". This means that all 8 zones will create a yelp siren output when an alarm is created. NOTE: If a **Fire** zone type is selected in locations 159-166, standard fire zone characteristics will override any selection made for a zone in this section I.E. a steady siren will be generated for a sort circuit and a code pad sounder for an open circuit. Zones with a steady siren characteristic will over ride zones with a yelp siren characteristic. If a chime zone is selected, then refer to locations 213 and 214 for more detail.

VALUE	AUDIBLE CHARACTERISTICS	VALUE	AUDIBLE CHARACTERISTICS
0	SILENT ZONE	**8**	**CHIME FEATURE**
1	**YELP SIREN AUDIBLE**	**9**	YELP SIREN AUDIBLE CHIME FEATURE
2	**STEADY SIREN AUDIBLE**	**10**	STEADY SIREN AUDIBLE CHIME FEATURE
4	**CODE PAD SOUNDER AUDIBLE**	**12**	CODE PAD SOUNDER AUDIBLE CHIME FEATURE
5	YELP SIREN AUDIBLE CODE PAD SOUNDER AUDIBLE	**13**	YELP SIREN AUDIBLE CODE PAD SOUNDER AUDIBLE CHIME FEATURE
6	STEADY SIREN AUDIBLE CODE PAD SOUNDER AUDIBLE	**14**	STEADY SIREN AUDIBLE CODE PAD SOUNDER AUDIBLE CHIME FEATURE

LOCATIONS 183-190: REPORTING / SPECIAL CHARACTERISTICS FOR Zones 1-8

Locations 183-190 are used to assign communicator characteristics to individual zones 1 through 8. Location 183 is for zone 1, and location 190 is for zone 8. Each zone can have one, or a combination of these characteristics. Factory default for all zones is (1 + 2 = "3"). This means that each zone has **Restore Reporting (Value = 1), Isolate Reporting (Value = 2)** enabled. It should be noted that these locations are used to enable individual zone report capability by zone. A reporting code must be programmed in the appropriate location to enable overall reporting capability of **Restore** reports (location 332) **Isolate** reports (location 334). Double EOL tamper and Twin trip zone 1 through 8 are also enabled in these locations. Program Double EOL (Value + 4) and Twin trip (Value = 8) to enable these features. **Double EOL Tamper** reports is selected in location 338.

VALUE	REPORTING / SPECIAL CHARACTERISTICS	VALUE	REPORTING / SPECIAL CHARACTERISTICS
0	NO FEATURE SELECTED	**8**	**TWIN TRIP ENABLE**
1	**RESTORE REPORTING**	**9**	RESTORE REPORTING TWIN TRIP ENABLE
2	**ISOLATE REPORTING**	**10**	ISOLATE REPORTING TWIN TRIP ENABLE
3	RESTORE REPORTING ISOLATE REPORTING	**11**	RESTORE REPORTING ISOLATE REPORTING TWIN TRIP ENABLE
4	**DOUBLE EOL ENABLE**	**12**	DOUBLE EOL REPORTING TWIN TRIP ENABLE
5	RESTORE REPORTING DOUBLE EOL ENABLE	**13**	RESTORE REPORTING DOUBLE EOL ENABLE TWIN TRIP ENABLE
6	ISOLATE REPORTING DOUBLE EOL ENABLE	**14**	ISOLATE REPORTING DOUBLE EOL ENABLE TWIN TRIP ENABLE
7	RESTORE REPORTING ISOLATE REPORTING DOUBLE EOL ENABLE	**15**	RESTORE REPORTING ISOLATE REPORTING DOUBLE EOL ENABLE TWIN TRIP ENABLE

TWIN TRIP:

A twin trip zone requires two trips within the time programmed in location 191 or a continuous trip for more than ten seconds for an alarm activation. If a single trip on a twin trip zone was initiated, an alarm would only occur if any other zone has been in alarm, still is in alarm or any other zone is tripped with in the delay time set in location 191. The DL250 may have a combination of an audible alarm or code pad sounder after the first trip, but before the second trip, the twin trip sounder control is programmed in location 158. Reporting can only occur after the full alarm activation. Default for these locations will be "3" Restore + Isolate Reporting. Note: Entry/Exit zone types can NOT be set for twin trip zones.

LOCATION 191: TWIN TRIP TIME PERIOD

Location 191 contains the number of 1 minute increments in the Twin Trip Zone Time Period. The Twin Trip Zone Time Period can be programmed in 1 minute increments from 1 to 15 minutes ("1" = 1 minute through "15" = 15 minutes). The time programmed in this location will set the time period whereby two or more zones must trip before an alarm condition will be registered or the one zone must trigger twice within this time period. Default is 5 minutes.

LOCATION 192: ALL ABORT ENABLE

Programming a "1" in location 192, will cause the communicator to abort its report at the end of an attempt in progress or instantly if an attempt has not begun, if a valid code is entered. All 24 hour zones and code pad activated events will also abort. This feature is recommended for pager dialling only. Default for this location is "0", all abort disabled.

LOCATION 193: RESERVED

LOCATION 194: RING DETECT ADJUST

Programming a (6 thru 12) in location 194 may assist, if difficulties are experienced with the DL250 answering the an incoming call. This will make the ring detect window wider so that a grater number of exchange type and ring frequencies can be catered for. Note: "6" is most sensitive and “12" is least sensitive. Caution must be taken when programming this location that the DL250 dose not become to sensitive to incoming calls.

LOCATION 195: RESTORE / SIREN CONTROL

Location 195 is used to assign the restore/siren control characteristic for the DL250. If immediate restore (Value = 1) is enabled the DL250 will report communicator event restores as they occur, if the restore communicator code in location 332 is selected and Report limited to once per arming (Value = 4) in this location is not enabled. If immediate restore (Value = 1) is disabled the DL250 will report communicator event restores at the end of the siren time of the zone that generated event. If Siren limited to once per arming (Value = 2) is enabled, the DL250 will only allow one siren activation per zone, if this feature is disabled then each zone can activate unlimited siren attempts. If Report limited to once per arming (Value = 4) is enabled, the DL250 will limit the communicator to reporting only one alarm event per zone, the restore for that event (if enabled) will occur on a valid disarm. Note: Regardless to when restores have been programmed to report the DL250 will only report restore if the alarmed condition physically restores. The DL250 can have one or a combination of the characteristics listed in the restore/siren control table below. Factory default for the DL250 is "3" (1+2 = 3). This means that the DL250 has immediate restore (Value = 1) and siren limited to once per arming (Value = 2) enabled. If restores where to report only at disarm and siren were to be limited to once per arming then a "6" (2+4=6) would be programmed in this location.

VALUE	RESTORE CONTROL	VALUE	RESTORE CONTROL
1	**IMMEDIATE RESTORE ENABLED**	**4**	**REPORT LIMITED TO ONCE PER ARMING**
2	**SIREN LIMITED TO ONCE PER ARMING**	5	IMMEDIATE RESTORE ENABLED REPORT LIMITED TO ONCE PER ARMING
3	IMMEDIATE RESTORE ENABLED SIREN LIMITED TO ONCE PER ARMING	**6**	SIREN LIMITED TO ONCE PER ARMING REPORT LIMITED TO ONCE PER ARMING

LOCATION 196: AUTO-ISOLATE ENABLE

Location 196 is used to enable the Auto Isolate feature. If a "1" is programmed in this location, the DL250 will allow the user to enter a valid code to arm, when one or more zones are not sealed. If these zones seal before the end of either the primary or secondary exit delays, they will arm with the remainder of the zones when the exit delay time expires. All zones which are not sealed at the end of the exit delay will be automatically isolated. If isolated reporting has been enabled in location 334, all automatically isolated zones will be reported to the monitoring station. When partitioning is enabled the above table would be referred to for the correct value required in this location. For example if a "7" (1+2+4=7) was programmed in this location and partitions were selected. Then auto isolate for partition one (Value = 1), Auto isolate for partition two (Value = 2) and Auto isolate for partition three (Value = 4) would be enabled. Default is an "0" which disables this feature.

VALUE	AUTO-ISOLATE	VALUE	AUTO-ISOLATE
0	DISABLE AUTO-ISOLATE	**4**	ENABLE FOR PARTITION 3
1	ENABLE FOR PARTITION 1	**5**	ENABLE FOR PARTITION 1 & 3
2	ENABLE FOR PARTITION 2	**6**	ENABLE FOR PARTITION 2 & 3
3	ENABLE FOR PARTITION 1 & 2	**7**	ENABLE FOR PARTITION 1, 2 & 3

LOCATION 197: SILENT CODE PAD PANIC ENABLE

Location 197 is used to silence the audible output for the Code Pad Panic/Hold-Up alarm. Programming a "1" in this location will enable the Silent mode of Code Pad Panic operation. Factory default is "0" and operation of the Code Pad Panic (double keypress [✶] & [#]) will cause the yelp siren output to activate.

VALUE	SILENT CODE PAD PANIC	VALUE	SILENT CODE PAD PANIC
0	AUDIBLE CODE PAD PANIC	**4**	ENABLE FOR PARTITION 3
1	ENABLE FOR PARTITION 1	**5**	ENABLE FOR PARTITION 1 & 3
2	ENABLE FOR PARTITION 2	**6**	ENABLE FOR PARTITION 2 & 3
3	ENABLE FOR PARTITION 1 & 2	**7**	ENABLE FOR PARTITION 1, 2 & 3

When partitioning is enabled the above table would be referred to for the correct value required in this location. For example if a "7" (1+2+4=7) was programmed in this location and partitions were selected. Then silent Code pad Panic for partition one (Value = 1), silent Code pad Panic for partition two (Value = 2) and silent Code pad Panic for partition three (Value = 4) would be enabled.

LOCATION 198: BELL TEST CONTROL

Location 198 is used to assign the BELL TEST Control characteristics for the DL250. There are four options in this location, each of which will cause a siren output on a different system condition. You are able to program one of these options or any combination of. If Set for (1) + (7) Bell test (Value = 1) is enabled, then the simultaneous pressing of keys [1] + [7] on the code pad will case an audible alarm activation for the period of the siren time. This feature should be used to test your system sirens and/or strobes, an entry of a valid code will switch off this feature. A 500 ms siren output will be generated when the following feature are enabled; Activate on arming (Value = 2) (whenever a valid code is entered to arm the DL250 or a partition of), Activate on exit delay- expiration (Value = 4) (activates at the end of the primary exit delay), Activate at closing kissoff (Value = 8) (activates upon a communication of a closing report).

VALUE	BELL TEST CONTROL	VALUE	BELL TEST CONTROL
0	NO FEATURE ENABLED	**8**	**ACTIVATE AT CLOSING KISSOFF**
1	**SET FOR [1] & [7] BELL TEST**	**9**	SET FOR [1] & [7] BELL TEST ACTIVATE AT CLOSING KISSOFF
2	**ACTIVATE ON ARMING**	**10**	ACTIVATE ON ARMING ACTIVATE AT CLOSING KISSOFF
3	SET FOR [1] & [7] BELL TEST ACTIVATE ON ARMING	**11**	SET FOR [1] & [7] BELL TEST ACTIVATE ON ARMING ACTIVATE AT CLOSING KISSOFF
4	**ACTIVATE ON EXIT DELAY-EXPIRATION**	**12**	ACTIVATE ON EXIT DELAY EXPIRATION ACTIVATE AT CLOSING KISSOFF
5	SET FOR [1] & [7] BELL TEST ACTIVATE ON EXIT DELAY-EXPIRATION	**13**	SET FOR [1] & [7] BELL TEST ACTIVATE ON EXIT DELAY EXPIRATION ACTIVATE AT CLOSING KISSOFF
6	ACTIVATE ON ARMING ACTIVATE ON EXIT DELAY-EXPIRATION	**14**	ACTIVATE ON ARMING ACTIVATE ON EXIT DELAY EXPIRATION ACTIVATE AT CLOSING KISSOFF
7	SET FOR [1] & [7] BELL TEST ACTIVATE ON ARMING ACTIVATE ON EXIT DELAY-EXPIRATION	**15**	SET FOR [1] & [7] BELL TEST ACTIVATE ON ARMING ACTIVATE ON EXIT DELAY EXPIRATION ACTIVATE AT CLOSING KISSOFF

LOCATION 199: RESERVED

LOCATION 200: ISOLATED ZONE BEEP ENABLE

If a "1" is programmed in location 200, the Code Pad sounder will create a pulsed output if a valid code is utilised to arm the DL250 when one or more zones are isolated. The code pad sounder can be silenced by re-entering a valid used code or waiting until the end of the primary exit time. If a "0" is programmed in this location, the control can be armed with one or more zones isolated with no Code Pad sounder output. Factory default is "1" and Code Pad sounder will sound when arming occurs with a zone isolated.

LOCATION 201: AC OFF BEEP ENABLED

If a "1" is programmed in location 201 the Code Pad buzzer will create a pulsed output if a valid code is used to arm or disarm the DL250 with the AC power removed. The code pad sounder can be silenced by re-entering a valid used code or waiting until the end of the primary exit time. If a "0" is programmed in this location, the control can be armed with the AC power removed with no Code Pad sounder output. Factory default is "1" and the Code Pad sounder will sound if the control is armed with no AC power.

LOCATION 202: PARTIAL ARM SECURITY FEATURE

If a "1" is programmed in location 202, a valid user code must be entered to disarm the control from the **Partial Arm** mode. Factory default is "0", **Partial Arm** mode can be disarmed with the one digit code programmed in location 215.

LOCATION 203: FIRST TO OPEN LAST TO CLOSE ENABLE

If a "1" is programmed in location 203 a closing report will only be reported when all partitions have closed and an opening report will be reported only when the first partition has been opened . The opening and closing communicator codes must have enabled in the appropriate locations if opening/closing reports are to be reported. Note: If a common area is enabled in location 246 the common area will always be the last area to arm. Therefore the closing report will be generated with user 28 and the primary account code to indicate a common area closing. Factory default is "0" and partitions will report opening and closing individually.

LOCATION 204: SILENT ENTRY ENABLE

Programming a "1" in location 204 will disable the pre-alarm during entry delays. The silent entry time applies to **all** entry/exit and Partial Arm zones. Factory default for this location is "0", making the entry delay pre-alarm audible.

LOCATION 205: PARTITION SIREN INHIBIT / CONTACT I.D GROUP DIGIT REPORTING

Factory default is "0" this feature is disabled, meaning a valid code entered from a Code Pad in any partition will silence the siren regardless of what partition caused the alarm. If a "1" is programmed, only the Code Pad set for the partition which the alarm was activated or an LCD code pad set for master mode can silence the siren. Programming a "2" in this location will cause the DL250 to report the partition group information when reporting in Contact I.D. (When using the Contact I.D group information, only one account code is required to be programmed for the individual reportion of partition information). A "3" will enable partition siren inhibit and partition group information to be reported.

LOCATION 207: RADIO REMOTE ARMING

Location 207 enables the Radio Remote arming feature for the DL250. If a "1" is programmed in this location, the siren, the 12 volt siren and the strobe outputs will pulse for a single 50 ms burst, when the DL250 is disarmed. The speaker output will also pulse two, 50 ms bursts when the DL250 is armed. This output will not activate in the partial arming or disarming. Factory default is a "0" and the Radio Remote Arming feature is disabled.

LOCATION 210: AUTO HOME ENABLE

Location 210 is used to enable the unique Auto Home feature. This feature can not be utilised when the Partial Arm feature is enabled and must be left at its default of "0". If a "1" is programmed into this location, it will cause the DL250 to automatically enter the Auto Home mode and isolate handover zones (Zone Type 5). If a fault is not detected on an entry/exit zone during the exit delay, I.E. entry/exit zone will be instant.

VALUE	AUTO-HOME	VALUE	AUTO-HOME
0	PARTIAL ARM OPTION	**4**	SET FOR INSTANT TOGGLE ENABLE
1	SET FOR AUTO HOME ENABLE	**5**	SET FOR AUTO HOME ENABLE SET FOR INSTANT TOGGLE ENABLE
2	SET FOR AUTO ISOLATE ONLY	**6**	SET FOR AUTO ISOLATE ONLY SET FOR INSTANT TOGGLE ENABLE

Programming a "2" into this location will cause the DL250 to automatically enter the Auto Home mode and isolate handover zones if a fault is not detected on an entry/exit zone during the exit delay, but will not change the status of the entry/exit zone, I.E. entry/exit zone will still be delayed.

If a "4" was to be added to the value in this location, then pressing the [✶] key when the system is armed will cause the partial light to toggle. When the partial light is on, the entry/exit zones are instant; when off, the entry/exit zones are delayed. This option can be used in conjunction with options 1 and 2 of this feature only.

LOCATION 211: SWINGER SHUTDOWN COUNT

Location 211 is used to enable the burglary zone swinger shutdown. The number programmed in this location will determine the number of trips the DL250 will allow before isolating all burglary zones (1-16) which have tripped during the arming cycle. The isolated zones will not report trips to a base station, and the local siren or bell will not sound for these zones. A zone trip will not be added to the number count until the zone has tripped more than once. For this feature to be valid, sirens and or the communicator must be set to unlimited in location 195. Factory default is "0" disabled.

LOCATION 212: QUICK ARM DIGIT

The DL250 can be programmed to Quick Arm with one digit by programming a digit (1-9) in location 212. This number cannot be the first digit of the Go To Program code or the Chime enable digit. If enabled the Quick Arm digit will arm the DL250. When reporting Closing, the Quick Arm digit will report user "13". Factory default is "0", no Quick Arm.

LOCATION 213: CHIME ENABLE DIGIT

Location 213 is used to program the **Chime** mode digit. The Chime digit can be any digit between 1 and 9. Factory default is "1" and this feature is enabled. If you do not wish to enable the **Chime** feature at this installation, program a "15" in this location. **NOTE:** The appropriate zones must be enabled for Chime mode in the Audible Characteristics Locations 175-182. The Chime digit must not be the same as the **Quick Arm** digit or the **Partial Arm** digit.

LOCATION 214: CHIME TIME

Location 214 is used to program the Chime activation time. The number programmed in this location represents the amount of time that the Chime sounder will remain activated. This duration time is selectable in 1 second increments from 1 to 14 seconds. For example, programming a "5" in this location will cause the Chime sound to last for 5 seconds (1 x "5" = 5 seconds). Programming an "0" will cause the sounder to follow the condition. Programming a "15" will latch the sounder until a valid code is entered. Programming selections for this location are the numbers "0" through "15". **NOTE:** Zones that will activate the Chime Sounder are enabled in locations 175-182.

LOCATION 215: PARTIAL ARM DIGIT

Location 215 is used to program the **Partial** mode digit. This digit can be any digit between 1 and 9. Factory default is "2" and this feature is enabled. **NOTE:** The first digit of the code must not match the **Quick-Arm** digit, or the **Chime** enable digit. Location 210 must contain a "0" for **Partial Arm** to work.

LOCATION 216: PARTIAL ARM TIME

Location 216 contains the number of the 10 second increments in the **Partial Arm** entry delay time. The delay time can be programmed in 10 second increments from 10 to 150 seconds ("1" = 10 seconds through "15" = 150 seconds). For example, programming a 4 in this location will create a delay time of 40 seconds. Factory default is "2" (20 seconds). An "0" equals zero seconds, or instant.

LOCATION 217: POWERUP DELAY

The number programmed in location 217 represents the number of 10 second increments the DL250 will delay before accepting faulted zones. Factory default is "0", feature disabled. If a 6 is selected, the delay will be 60 seconds. This delay period would also be initiated after a watchdog circuit reset condition or when exiting from the program mode.

LOCATION 218: DYNAMIC BATTERY TEST CONTROL

Location 218 is used to assign the Dynamic Battery Test Control for the DL250, which can be programmed for one of or a combination of four options. If a "1" is programmed in this location the battery voltage will be tested every 6 seconds for 50 ms for a missing or totally discharged battery, (This option does not perform a dynamic battery test). If a "2" is programmed in this location, the battery will be dynamically tested at arming for the time programmed in location 219. If a "4" is programmed in this location the DL250 will inhibit arming with a low or lost battery. Factory default is "0" and Dynamic Battery Test will be performed at disarming for the period programmed in location 219. Note: Dynamic Battery Test can only occur once every 24 hour period, the beginning and end of this period is “00:00" hours. If location 219 contains a “0" then no Dynamic Battery Test will be performed.

VALUE	DYNAMIC BATTERY TEST CONTROL	VALUE	DYNAMIC BATTERY TEST CONTROL
0	TEST AT DISARMING FOR THE TIME PROGRAMMED IN LOCATION 219	4	**INHIBIT ARMING WITH A LOW BATTERY**
1	**TEST FOR 50 ms EVERY 6 SECONDS**	5	TEST FOR 50 ms EVERY 6 SECONDS INHIBIT ARMING WITH A LOW BATTERY
2	**TEST AT ARMING FOR THE TIME PROGRAMMED IN LOCATION 219**	6	TEST AT ARMING FOR THE TIME PROGRAMMED IN LOCATION 219 INHIBIT ARMING WITH A LOW BATTERY
3	**TEST FOR 50 ms EVERY 6 SECONDS** **TEST AT ARMING FOR THE TIME PROGRAMMED IN LOCATION 219**	7	TEST FOR 50 ms EVERY 6 SECONDS TEST AT ARMING FOR THE TIME PROGRAMMED IN LOCATION 219 INHIBIT ARMING WITH A LOW BATTERY

LOCATION 219: DYNAMIC BATTERY TEST TIME DURATION

The number programmed in location 219 will determine the number of minutes the DL250 will go into the dynamic battery test mode during each 24 hour period. This test removes the AC power input and causes the control to function with the system battery, thus verifying that the battery is capable of performing as designed during an actual power failure. This location is programmed in 1 minute increments from 1 to 15 minutes ("1" = 1 minute through "15" = 15 minutes). For example, if a "5" was programmed in this location the Dynamic Battery Test will occur for 5 minutes if enabled in location 218. Factory default is "0" and this feature is disabled.

LOCATIONS 220-235: PROGRAMMING THE AUXILIARY OUTPUT OPTIONS

Locations 220 through 235 control the output options for the four auxiliary outputs. Each of the four outputs have four individual programming locations that will be referred to in this section as **DATA 1, DATA 2, DATA 3,** and **DATA 4.** There are 60 events or conditions that can be programmed to activate these four auxiliary outputs. The following descriptions of these data locations will help you to understand how to program each of these locations. Refer to the worksheet for a full list of individual locations.

DATA 1 (Partition)- The number programmed in the **Data 1** location is used to direct the control as to which partition(s) will be the source to initiate the trigger output on each of the four auxiliary outputs. When partitioning is not being used, program a "0" in this location (factory default = "0"). When partitions are being used, programming selections are as follows: "0" for all Partitions, "1" for Partition ONE, "2" for Partition TWO, and "3" for Partition THREE. Programming selections for this location are "0" through "3".

DATA 2 (Duration)- The number programmed in the **Data 2** location represents the amount of time that a trigger output will remain activated. This duration time is selectable in 2 second increments, from 2 to 28 seconds. For example, programming a "5" in the data 2 location will create a voltage trigger that would last for 10 seconds (2 x "5" = 10 seconds). Programming a "0" will cause the output to follow the condition. Programming a "15" will latch the trigger output and a valid user code must be entered to reset this condition. Programming selections for this location are the numbers "0" through "15". NOTE: If you want to change the increments from seconds to minutes, follow the programming instructions for location 245 to do so, and the duration time will be selectable from 2 to 28 minutes.

DATA 3 (Category)- The number programmed in the **Data 3** location will determine the category from which you will select an activation event. Refer to the following event table to select which category number to program in this location. Programming selections for this location are "0" through "15".

DATA 4 (Event)- The number programmed in the **Data 4** location will determine the actual event in which you wish to have the trigger activate upon. Refer to the event table to select which event number to program in this location. Programming selections for this location are "0" through "15".

AUXILIARY OUTPUT DEFAULTS	DATA 1	DATA 2	DATA 3 **3**	DATA 4 43
AUX OUTPUT #1 - ANY SIREN (Following) Locations 220-223	"0"	"0"	"1"	"2"
AUX OUTPUT #2 - ANY SIREN (Latched) Locations 224-227	"0"	"15"	"1"	"2"
AUX OUTPUT #3 - ARMED LED (Following) Locations 228-231	"0"	"0"	"1"	"10"
AUX OUTPUT #4 - READY LED (Following) Locations 232-235	"0"	"0"	"1"	"11"

DESCRIPTION OF EVENT	DATA 3 CATEGORY	DATA 4 EVENT
Any "FIRE ALARM".	"0"	"0"
Any "PANIC ALARM".		"1"
Any "BURGLARY ALARM".		"2"
Any "TROUBLE CONDITION".		"3"
Any "BYPASS REPORT"		"4"
Any "EARLY TO OPEN REPORT"		"5"
Any "LATE TO CLOSE REPORT"		"6"
"AC FAILURE"		"7"
"DURESS"		"8"
"AUXILIARY 1" [1] & [3] Double Keypress		"9"
"AUXILIARY 2" [4] & [6] Double Keypress		"10"
"CODE PAD PANIC" [✶] & [#] Double Keypress		"11"
"CODE PAD TAMPER"		"12"
"AUTOTEST"		"13"
Any "FAILURE TO COMMUNICATE REPORT"		"14"
"CANCEL"		"15"
Activation of "PRIORITY (FIRE) SIREN"	"1"	"0"

DESCRIPTION OF EVENT	DATA 3 CATEGORY	DATA 4 EVENT
Activation of "BURGLARY SIREN"		“1"
"ANY SIREN"		“2"
"ARMED WITH ISOLATED ZONE(S)"		“3"
"ALARM MEMORY"		“4"
"LOW BATTERY"		“5"
"ENTRY DELAY TIME"		“6"
"EXIT DELAY TIME"		“7"
"ENTRY AND EXIT DELAY TIME"		“8"
"PARTIAL LED" illumination.		“9"
"ARMED LED" illumination.		“10"
"SECURE LED" illumination.		“11"
"AC LED" illumination.		“12"
"CODE PAD SOUNDER" activation. (CHIME)		“13"
"FIRE LED" illumination.		“14"
"FIRE TROUBLE LED" illumination.		“15"
"ENTRY OF ANY VALID CODE ENTRY"	“2"	“0"
"ENTRY OF CODE 1"		“1"
"ENTRY OF CODE 2"		“2"
"ENTRY OF CODE 3"		“3"
"ENTRY OF CODE 4"		“4"
"ENTRY OF CODE 5"		“5"
"ENTRY OF CODE 6"		“6"
"ENTRY OF CODE 7"		“7"
"ENTRY OF CODE 8"		“8"
"ENTRY OF CODE 9"		“9"
"ENTRY OF CODE 10"		“10"
"ENTRY OF CODE 11"		“11"
"ENTRY OF CODE 12"		“12"
"ENTRY OF CODE 13"		“13"
"ENTRY OF CODE 14"		“14"
"ENTRY OF CODE 15"		“15"
"SMOKE DETECTOR POWER"	“3"	“0"
"DYNAMIC BATTERY TEST"		“1"
"LINE SEIZURE"		“2"
"ANY OPEN"		“3"
"ANY SHORT"		“4"
"ANY OPEN OR SHORT"		“5"
"NOT USED"		“6"
"OPEN TIME (AUX OPEN TIME)"		“7"
"FAILURE TO COMMUNICATE"		“8"
"PHONE LINE FAULT"		“9"
"BOX TAMPER" activation.		“10"
"TWIN TRIP ZONE" activation.		"11"
“AUTO ARM WARNING TIMER” activation.		"12"

LOCATION 236-239: AUXILIARY OUTPUT OPENING WINDOW

To enable the auxiliary output to activate on a pre-determined time a 24 hour (military) opening time must be programmed into locations 236-239. For example, to enter a opening time of 8:15am (08:15) program a "0" into location 236, an "8" in location 237, a "1" in location 238 and a "5" in location 239. Also see aux output option - category 3 event 7 (open time aux open time).

LOCATION 240-243: AUXILIARY OUTPUT CLOSING WINDOW

To enable the auxiliary output to activate on a pre-determined time a 24 hour (military) closing time must be programmed into locations 240-243. For example, to enter a closing time of 6:30pm (18:30) program a "1" into location 240, an "8" in location 241, a "3" in location 242 and a "0" in location 243. Also see aux output option - category 3 event 7 (open time aux open time)

LOCATION 244: AUXILIARY OUTPUT INVERSION

The auxiliary outputs of the DL250 are normally POSITIVE (+) going NEGATIVE (-). They can be changed to a normally NEGATIVE (-) going POSITIVE (+) by programming the appropriate number in this location. Auxiliary output 1 has a value of "1", Auxiliary output 2 has a value of "2", Auxiliary output 3 has a value of "4", and Auxiliary output 4 has a value of "8". The values for the outputs that you wish to change to NEGATIVE going POSITIVE must be added together and the total programmed in this location. For example, if you wished to make outputs 2 (=2) and 3 (=4) NEGATIVE going POSITIVE, you would program "6" (2+4=6) in this location. The output for pin 1 is automatically tied to the on board form A relay (Terminal locations 20 & 21), and pin 2 is tied to the form C relay (Terminal location 22, 23 & 24). You should take this into consideration when planning auxiliary output operation. If you need a relay output on pins 3 or 4 you must add a relay that can be tripped with the voltage and current available at these pins. **NOTE:** THE PINS ARE CURRENT LIMITED TO 250 MICRO AMPS POSITIVE AND 20 mA NEGATIVE.

VALUE	OUTPUT INVERSION	VALUE	OUTPUT INVERSION
0	NO AUX INVERTED	**8**	**INVERT AUX 4 OUTPUT**
1	**INVERT AUX 1 OUTPU**T	**9**	INVERT AUX 1 & 4 OUTPUT
2	**INVERT AUX 2 OUTPUT**	**10**	INVERT AUX 2 & 4 OUTPUT
3	INVERT AUX 1 & 2 OUTPUT	**11**	INVERT AUX 1, 2 & 4 OUTPUT
4	**INVERT AUX 3 OUTPUT**	**12**	INVERT AUX 3 & 4 OUTPUT
5	INVERT AUX 1 & 3 OUTPUT	**13**	INVERT AUX 1, 3 & 4 OUTPUT
6	INVERT AUX 2 & 3 OUTPUT	**14**	INVERT AUX 2, 3 & 4 OUTPUT
7	INVERT AUX 1, 2 & 3 OUTPUT	**15**	INVERT AUX 1, 2, 3 & 4 OUTPUT

LOCATION 245: AUXILIARY OUTPUT MINUTES TIMING ENABLE

The number programmed into this location will determine if the 4 auxiliary output(s) described in the above locations will create 2 to 28 seconds, or 2 to 28 minutes voltage trigger outputs. If this location contains a "0" (factory default = "0"), the output duration time is computed in seconds. By adding the value that corresponds to each pin number in the table below, and programming the sum in this location, the "second" increments will convert to "minute" increments for the output(s) selected:

VALUE	CONVERTING OUTPUT TIMING	VALUE	CONVERTING OUTPUT TIMING
0	ALL AUXILIARIES ARE IN SECONDS	**8**	**AUX 4 OUTPUT TIME TO MINUTES**
1	**AUX 1 OUTPUT TIME TO MINUTES**	**9**	AUX 1&4 OUTPUT TIME TO MINUTES
2	**AUX 2 OUTPUT TIME TO MINUTES**	**10**	AUX 2&4 OUTPUT TIME TO MINUTES
3	AUX 1&2 OUTPUT TIME TO MINUTES	**11**	AUX 1,2&4 OUTPUT TIME TO MINUTES
4	**AUX 3 OUTPUT TIME TO MINUTES**	**12**	AUX 3&4 OUTPUT TIME TO MINUTES
5	AUX 1&3 OUTPUT TIME TO MINUTES	**13**	AUX 1,3&4 OUTPUT TIME TO MINUTES
6	AUX 2&3 OUTPUT TIME TO MINUTES	**14**	AUX 2,3&4 OUTPUT TIME TO MINUTES
7	AUX 1,2&3 OUTPUT TIME TO MINUTES	**15**	AUX 1,2,3&4 OUTPUT TIME TO MINUTES

PROGRAMMING FOR PARTITIONS

Locations 246, 247 and 248 are used to program and control the DL250 partition feature. The number of zones in partitions 1 and 2, can be programmed in locations 247 and 248 with the remaining zones automatically assigned to the next numerical partition, which would be 3 if both locations are programmed. If only the first location 247 has a number programmed in it, all remaining zones will automatically go to partition 2. You can program any number of zones per partition up to a maximum of 15. All zones must be in numerical sequence. For example, if you choose to have five zones in partition 1 and 2 zones in partition 2, you would program a 5 in location 247 and zones 1-5 would be assigned to partition 1, while zones 6 through 8 would be assigned to partition 2. You cannot assign zones out of sequence such as placing zones 1-3-5-7 in partition 1 and 2-4-6-8 in partition two. Factory default is no partitions are enabled.

LOCATION 246: COMMON AREA ENABLE

If a "1" is programmed into location 246, partition 1 will become a common area for all selected partitions. When enabled, partition 1 will automatically disarm when any other partition is disarmed, and will automatically arm when all partitions have been armed. Care should be taken to allow sufficient entry delay time for partition 1 to allow the user to reach his designated partition Code Pad and enter a code. Exit delay time is the combination of the delay for the last partition to arm and the delay entered for partition 1. Factory default is '0" and this feature is disabled. In the factory default mode the common area will not send open/close reports. To enable open/close reports for the common area, program a "3" in this location. **If "First To Open / Last TO close" is enabled in location 203 then open/close reports for the common area must be enabled for closing reports to be reported.** The Common area closing code is user code 28.

LOCATION 247: NUMBER OF ZONES IN PARTITION 1

Factory default is "0", and the control is not partitioned. Thus all 16 zones assigned to the one group. **NOTE:** When no partitions are enabled, all features or characteristics associated with partitions are contained within one group. If only two partitions are required then do not program location 248. Any leftover zones will automatically flow over to the next partition.

LOCATION 248: NUMBER OF ZONES IN PARTITION 2

Factory default is "0", and Partition 2 is not enabled. If three partitions are required then any leftover zones after programming location 248 will automatically flow over to the third partition.

LOCATION 249-251: RESERVED

LOCATION 252-255: FORMAT OVERRIDE

Format 15 allows you to set up your own format by using the format override locations 252-255. See appendix (3) for complete description.

COMMUNICATOR CODES

Each of the following communication codes contain four (4) locations referred to as Data 1, Data 2, Data 3 and Data 4. The first three locations are used for either enabling or disabling and or determining the reporting channel or event number for the selected communication code. Data 4 is used to determine which phone number(s) is used when Dual or Split reporting is enabled and or whether that communication event is recorded into the internal event log. Refer to the Data 1, 2, 3, and 4 listing below for more detail. ***Only Ademco High Speed and Contact I.D. are covered in this manual, for detail on other formats please refer to the nearest sales branch.***

DATA 1 - When **Contact I.D** is enabled, Data 1 is used to enable and or select the communicator code for the selected communicator event. Program in Data 1 the required digit from appendix 1 (options 1 thru 15) to select the required Contact I.D event report code. Not all communicator codes are programmable in this manner, and only require a "1" in Data 1 to enable the communicator event report. Refer to the individual communicator code location for further detail. When **Ademco High Speed** is programmed, Data 1 is used to enable the communicator code for that event. Program a "1" to enable the communicator event and a "0" to disable the communicator event. This process is valid for all the communicator event other than Zones 1 thru 16 communicator event which are automatically enabled. The event report code is predefined when Ademco High Speed is selected and can only be enabled or disabled. However, Zones 1 thru 16 can have their Channel numbers changed in Data 3. Refer to the individual communicator code location for further detail.

DATA 2 - When **Contact I.D** is enabled, Data 2 is used to program the 10's digit of the point number. When **Ademco High Speed** is programmed, Data 2 is not used.

DATA 3 - When **Contact I.D** is enabled, Data 3 is used to program the 1's digit of the point number. When **Ademco High Speed** is programmed, Data 2 is used to program the channel number for Zones 1 thru 16. **Note:** only channel numbers 1 thru 8 are valid for Ademco High speed.

DATA 4 - Is used to select phone number (1 = "1"), phone number (2 = "2") , and the (internal log = "4") or any combination of the three (3). When Dual or Split reporting is enabled in location 146 then the telephone number programmed in Data 4 for the selected communicator event is used to report that event. If Dual or Split reporting is not enabled then program Data 4 to follow telephone number 1 for normal communicator event reporting. I.E. Report via telephone number 1 and if unsuccessful try telephone number 2. If no Telephone is selected for a given communicator event that communicator event will not be reported. If (internal log = "4") is enabled then each time that communicator event is reported it is also recorded into the internal event log for future reference via a LCD Code pad in the smart buss mode or via the download software. **Note:** The event log can only record communicator events when those communicator event s are enabled to report. If the event log is required without communicator event reporting, enable the internal log by programming a "4" in Data 4, and enable the communicator event in Data 1.

LOCATION 256-259: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 1

Locations 256-259 are used to control the communicator code for zone 1. Zone 1 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "01" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 1 is defaulted to report, a "1555 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:1:5" with telephone number 1 and the event log enabled.

LOCATION 260-263: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 2

Locations 260-263 are used to control the communicator code for zone 2. Zone 2 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "02" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 2 is defaulted to report, a "5155 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:2:5" with telephone number 1 and the event log enabled.

LOCATION 264-267: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 3

Locations 264-267 are used to control the communicator code for zone 3. Zone 3 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "03" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 3 is defaulted to report, a "5515 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:3:5" with telephone number 1 and the event log enabled.

LOCATION 268-271: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 4

Locations 268-271 are used to control the communicator code for zone 4. Zone 4 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point “04" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 4 is defaulted to report, a "5551 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:0:4:5" with telephone number 1 and the event log enabled.

LOCATION 272-275: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 5

Locations 272-275 are used to control the communicator code for zone 5. Zone 5 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point “05" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 5 is defaulted to report, a "5555 1555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:0:5:5" with telephone number 1 and the event log enabled.

LOCATION 276-279: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 6

Locations 276-279 are used to control the communicator code for zone 6. Zone 6 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point “06" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 6 is defaulted to report, a "5555 5155 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:0:6:5" with telephone number 1 and the event log enabled.

LOCATION 280-283: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 7

Locations 280-283 are used to control the communicator code for zone 7. Zone 7 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point “07" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 7 is defaulted to report, a "5555 5515 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:0:7:5" with telephone number 1 and the event log enabled.

LOCATION 284-287: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 8

Locations 284-287 are used to control the communicator code for zone 8. Zone 8 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point “08" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 8 is defaulted to report, a "5555 5551 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:0:8:5" with telephone number 1 and the event log enabled.

LOCATIONS 288-291: DURESS COMMUNICATOR CODES

The DL250 has the ability to report a duress code when the system is armed or disarmed with user code number 15 and a duress communicator code is enabled in Data 1. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "10" in Data 1 to report event "121 - Duress". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. The Open/Close report will accompany the Duress report complete with the user number to indicate that an Open or Close was preformed under Duress. No restore code is reported for this event. If Data 1 is a "0", the duress capability is disabled and user code number 15 can only be used as a standard arm/disarm code. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 292-295: CODE PAD AUXILIARY 1 ([1] & [3]) COMMUNICATOR CODES

The DL250 has the ability to report an auxiliary 1 code and activate the priority (fire) siren each time the [1] and [3] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "1" in Data 1 to report event "110 - Fire". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. If activated, the siren can be silenced by entering any arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 1 double keypress is disabled. The defaults are “1:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 296-299: CODE PAD AUXILIARY 2 ([4] & [6]) COMMUNICATOR CODES

The DL250 has the ability to report an auxiliary 2 code and activate the pulsing buzzer each time the [4] and [6] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "11" in Data 1 to report event "100 - Medical". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. If activated, the code pad sounder may be silenced by entering any valid arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 2 double keypress is disabled. The defaults are “1:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 300-303: CODE PAD PANIC ([✶] & [#]) COMMUNICATOR CODES

The DL250 has the ability to report a Code Pad panic code and activate the burglary siren (if not selected silent) each time the [✶] and [#] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "2" in Data 1 to report event "120 - Code Pad Panic". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. If activated, the code pad sounder may be silenced by entering any valid arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Code pad panic double keypress is disabled. The defaults are “2:0:0:5" with Code pad panic communicator code, telephone number 1 and the event log enabled.

LOCATIONS 304-307: CODE PAD TAMPER COMMUNICATOR CODES

The DL250 has the ability to lock out the Code Pad for 1 minute if 30 or more key presses are made without producing a valid code. The desired communicator code must be programmed into these locations to enable this feature. When contact I.D is selected, program a "1" in Data 1 to report event "137 - Code Pad Tamper". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5551 7" Zone 8 alarm is reported. No restore code is reported for this event. If Data 1 is "0", the Code Pad Tamper is disabled. The defaults are “1:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 308-311: AUTOMATIC TEST COMMUNICATOR CODES

The DL250 has the ability to send autotest reports to the base station at weekly intervals or hourly intervals from 1 to 99 hours apart. The desired communicator code must be programmed into these locations. When contact I.D is selected, program a "1" in Data 1 to report event "602 - Auto test". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Auto Test is disabled. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 312-315: FAIL TO COMMUNICATE COMMUNICATOR CODES

The DL250 has the ability to report a failed to communicate code to the base station if a report fails to get through to the base in its pre-determined number of dial attempts. After a report has failed to communicate to the base station the DL250 will store a failed to communicate code. When the very next report is communicated to the base the failed to communicate report will be reported. When contact I.D is selected, program a "1" in Data 1 to report event "354 - Failed to Communicate". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Failed to Communicate is disabled. The defaults are “1:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 316-319: BOX TAMPER COMMUNICATOR CODES

The DL250 has the ability to report a box tamper if the tamper input changes from a normally closed state to open circuit. The desired communicator code must be programmed into these locations. When contact I.D is selected, program a "1" in Data 1 to report event "137 - Box Tamper". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. If Data 1 is "0", Failed to Communicate is disabled. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 320-323: AC POWER FAIL COMMUNICATOR CODES

The DL250 has the ability to report an AC power loss code to the base station after the power has been off for a selected number of minutes from 0 to 15 (see location 330). The desired communicator code must be programmed into these locations. When contact I.D is selected, program a "1" in Data 1 will report event "301 - AC Power Fail". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 6" AC Power Fail. If Data 1 is "0", AC Power Fail is disabled. The defaults are “1:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 324-327: LOW BATTERY COMMUNICATOR CODES

The DL250 has the ability to report a low battery code to the base station when AC power has been lost and the battery has discharged down to 10.3 Volts. Low battery will also report if the dynamic battery test fails. The desired communicator code must be programmed into these locations. When contact I.D is selected, program a "1" in Data 1 to report event "302 -Low Battery" or “309- Fail Dynamic Battery Test”. When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5155 5555 6" Low Battery and Fail Dynamic Battery Test. Note: A restore code will not be report for a “Dynamic Battery Fail” event, however, the “Dynamic Battery Fail” event code will be reported on every Dynamic Battery Test time until the battery problem is corrected. If Data 1 is "0", Low Battery is disabled. The defaults are “1:0:0:5" with telephone number 1 and the event log enabled.

SINGLE LOCATION COMMUNICATOR CODES

The following communicator code are programmed in one location only. When Contact I.D. or Ademco High Speed is selected then programming a “1" in the selected location will enable the communicator event report and a “0" will disable the communicator event report.

LOCATION 328: AC POWER RESTORE COMMUNICATOR CODE

The 250 has the ability to report to the base station when the AC power has been restored. Once the AC power has been restored to the 250, there will be a delay time before the restore code will be sent to the base station. The time programmed into location 330 for AC loss delay will also be the restore delay. Program a "1" into this location to enable AC power loss restore reports. Program a "0" into this location to disable restore reports. Default for AC power restore code is “1" enabled.

LOCATION 329: LOW BATTERY RESTORE COMMUNICATOR CODE

The 250 has the ability to send a restore code to the base station when the battery voltage is restored to normal operating level (above 10.3 volts). Program a "1" into this location to enable low battery restore codes. Program a "0' into this location to disable low battery restore codes. Default for low battery restore code is “1" enabled.

LOCATION 331: RESERVED

LOCATION 330: AC POWER FAIL REPORT DELAY

The number programmed into location 330 represents the number of 1 minute increments the AC power is lost before a communication is initiated, from 1 to 15 minutes. Factory default is "5" which will delay AC power loss for 5 minutes. The AC power restore if enabled in location 328, and will also delay reporting until after the number of minutes programmed in this location has elapsed. If a "0" is selected (instant) the delay will be approximately 20 seconds. This is to allow for transients and power surges.

LOCATION 332: RESTORE CODE FOR Zones 1-8

Location 332 is used to program the Restore code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. Note: Zone Restore codes can only be reported if Zones are enabled to report Restores in the “Zone Report / Special Characteristics” locations per individual zone. Default for Zone restore code is “1" enabled.

LOCATION 333: RESTORE CODE FOR Zones 9-16

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

LOCATION 334: ISOLATE CODE FOR Zones 1-8

Location 334 is used to program reporting of the Isolate code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. Note: Zone Isolate codes can only be reported if Zones are enabled to report Isolates in the “Zone Report / Special Characteristics” locations per individual zone. When contact I.D is selected, program a one (1) in this location to enable this report, an event "570 - Zone Isolate" will be reported. When using Ademco High Speed, program a one (1) in this location to enable this report. A one (1) will be displayed for the channel corresponding to the zone that is Isolated. EG, "5155 5555 3" will be reported for zone two (2). Default for Zone Isolate code is “1" enabled.

LOCATION 335: ISOLATE CODE FOR Zones 9-16

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

LOCATION 336: TROUBLE CODE FOR Zones 1-8

Location 336 is used to program reporting of the Trouble code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. The Trouble communicator code can be reported when a Fire zone is in Trouble alarm (Refer to zone types). When contact I.D is selected, program a one (1) in this location to enable this report, an event "380 - Zone Trouble" will be reported. When using Ademco High Speed, program a one (1) in this location to enable this report. A one (1) will be displayed for the channel corresponding to the zone that is in Trouble. EG, "5155 5555 5" will be reported for zone two (2). Default for Trouble code is “1" enabled.

LOCATION 337: TROUBLE CODE FOR Zones 9-16

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

LOCATION 338: ZONE TAMPER CODE FOR Zones 1-8

Location 338 is used to program reporting of the Zone Tamper code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. The Zone Tamper communicator code can be reported when a Double End Of Line Zone is in an Open/Closed circuit condition (Refer to “zone reporting / special characteristics“). When contact I.D is selected, program a one (1) in this location to enable this report, an event "137 - General Tamper" or program a two (2) in this location to enable this report, an event "144 - Sensor Tamper". When using Ademco High Speed, program a one (1) in this location to enable this report. A one (1) will be displayed for the channel corresponding to the zone that is in Tamper. EG, "5155 5555 5" will be reported for zone two (2). Default for Trouble code is “1" enabled.

LOCATION 339: TAMPER CODE FOR Zones 9-16

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

LOCATION 340: OPENING COMMUNICATOR CODE

The DL250 has the ability to report an opening code each time the control is disarmed. The desired opening code is programmed in location 340. To enable this communicator code report when Contact I.D or Ademco High Speed is selected, program a one (1) in this location. Default for Opening code is “0" disabled.

LOCATION 341: CLOSING COMMUNICATOR CODE

The DL250 has the ability to report a closing code each time the control is armed. The desired closing code is programmed in location 341. If this location contains a "0" closing will not be reported. When using Ademco high speed or contact I.D formats a "1" is programmed into this location to enable closing reports. Default for Closing code is “0" disabled.

LOCATION 342: OPENING/CLOSING PHONE SELECTOR

If a phone number other than phone #1 is desired, I.E. for dual or split reporting. A binary number must be programmed into this location. This is derived by adding a "1" for phone #1, a "2" for phone #2 and a "4" for the internal log. Factory default is "5" which causes open/closing to report on phone #1 and internal log if the communicator event is enabled.

LOCATION 343: PROGRAMMING THE COMMUNICATOR CODE FOR CANCEL (EXCEPTION OPENING)

Location 343 contains the communicator code that will be sent for cancel. The cancel code programmed in this location will be sent if an arm/disarm code is entered after an alarm on zones 1 through 16 has been reported (excluding 24 hour zones). After a cancel has been reported, no zone restores will be transmitted on non-24 Hour zones. When contact I.D is selected, program a one (1) in this location to enable this report, the event code “406" will be reported, followed by an opening event with the user code number used. When using Ademco High Speed, program a one (1) in this location to enable this report, the opening event will be reported with the user code number used. This feature can not be enable when Open/Close reporting is also enabled. If this location contains a "0", cancel is disabled.

FOUR LOCATION COMMUNICATOR CODES

The following communicator codes are programmed in four locations. I.E. Data 1, 2, 3 and 4 (refer to page ?). When Contact I.D. or Ademco High Speed is selected then programming a “1" in Data 1 for the selected location will enable the

communicator event report and a “0" will disable the communicator event report.

LOCATIONS 344-347: LATE TO CLOSE COMMUNICATOR CODE

The DL250 has the ability to report a 1-3 digit late closing code to the base station, when these locations are programmed and a closing time has been programmed into locations 368-371. When contact I.D is selected, program a "1" in Data 1 to report event "404 - Late To Close". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Late To Close Communicate code is disabled. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 348-351: EARLY OPENING COMMUNICATOR CODE

The DL250 has the ability to report an early opening code to the base station, when these locations are programmed and a opening time has been programmed into locations 364-367. When contact I.D is selected, program a "1" in Data 1 to report event "400 - Early Open". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Early Open Communicate code is disabled. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 352-355: DOWNLOAD COMPLETE COMMUNICATOR CODES

Location 352-355 contains the communicator report sent each time a download session has been completed. The report will come in after a disconnect has been made from a downloading session. When contact I.D is selected, program a "1" in Data 1 to report event "412 - Download Complete Code". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 1555 6" Auto Test. No restore code is reported for this event. If Data 1 is "0", Download Complete Code is disabled. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 356-359: AUTOMATIC ARM COMMUNICATOR CODES

Location 356-359 contains the communicator report sent each time the DL250 is auto armed. When contact I.D is selected, program a "1" in Data 1 to report event "403 - Auto Arm". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "B444 4444 4" User 11 Closing. If Data 1 is "0", Failed to Communicate is disabled. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled. A time must also be entered into locations 368-371.

LOCATIONS 360-363: CODE PAD AUXILIARY 3 (7+9) COMMUNICATOR CODES

The DL250 will report an Aux 3 code and activate the steady buzzer output each time the [7] and [9] keys are pressed simultaneously on the Code Pad. The desired code must be programmed in these locations. When contact I.D is selected, program required event code from appendix 1 to enable this report event. Program a "14" in Data 1 to report event "602 - Auto Test". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test is reported. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 3 double keypress is disabled. The defaults are “0:0:0:5" with telephone number 1 and the event log enabled.

LOCATIONS 364-367: EARLY OPENING TIME

The Early Opening Time is used to determine the opening time, I.E. If a user disarms the DL250 before this time, the early to open code will be reported if enabled. User code with authorisation restriction such as “Arm Only After Closing Time” can not Disarm the DL250 before the Early Opening Time. The Early Opening Time also marks the time the Intelligent Auto Arming feature stop attempting the auto arm the DL250.To enable the early opening report feature a 4 digit, 24 hour (military) opening time must be entered in locations 364 -367. For example, to enter an opening time of 8:15 A.M (08:15), program a "0" in location 364, a "8" in location 365, a "1" in location 366, and a "5" in location 367. Factory default is a "0-6-0-0" which sets an opening time of 6:00 A.M..

LOCATIONS 368-371: LATE CLOSING/AUTO ARMING TIME

The Late Closing/Auto Arming Time is used to determine the Closing time, I.E. If a user Arms the DL250 after this time, the Late to Close code will be reported is enabled. User code with authorisation restriction such as “Arm Only After Closing Time” can not Disarm the DL250 After the Late Closing/Auto Arming Time. Late Closing/Auto Arming Time also marks the time the Intelligent Auto Arming feature attempts to auto arm the DL250, if this feature is enabled in location 374.. To enable the late closing report a 4 digit, 24 hour closing time must be entered in locations 368-371. For example, to enter a closing time of 6:30 PM (1830), program a "1" in location 368, a "8" in location 369, a "3" in location 370 and an "0" in location 371. Factory default is an "2-0-0-0" which sets a closing time of 8:00 P.M **NOTE:** A communicator code must be entered in location(s) 348-351 if this feature is selected.

LOCATION 372: CLOSED SATURDAY ENABLE

A "1" should be programmed in location 372 if the DL250 will be closed on Saturdays and early opening or late to close features have been enabled. A "1" will cause the early to open report to be communicated in the event an opening is made on Saturday. User codes with authorisation restriction such as “Arm Only After Closing Time” can not Disarm the DL250 on a Saturday and auxiliary outputs following the open time will not activate if the feature is enabled. Factory default is "0" and openings are allowed on Saturday within the assigned schedule without creating a report. **Note**: If auto-arm is enabled, enabling closed Saturday will not allow the opening time to be valid all Saturday. This will result in the inability to disarm the DL250 for more than 40 minutes at a time, as the auto-arm feature will attempt to arm the system during the closed time.

LOCATION 373: CLOSED SUNDAY ENABLE

A "1" should be programmed in location 373 if the DL250 will be closed on Sundays and early opening or late to close features have been enabled. A "1" will cause a report to be communicated in the event of a late closing after an opening. User codes with authorisation restriction such as “Arm Only After Closing Time” can not Disarm the DL250 on a Sunday and auxiliary outputs following the open time will not activate if the feature is enabled. Factory default is "0" and openings are allow on Sunday with the assigned schedule without creating a report. **Note**: If auto-arm is enabled, enabling closed Sunday will not allow the opening time to be valid all Sunday. This will result in the inability to disarm the DL250 for more than 40 minutes at a time, as the auto-arm feature will attempt to arm the system during the closed time.

LOCATION 374: EARLY OPENING - LATE CLOSING / AUTO ARMING ENABLE

To enable the early opening/ late closing feature program a "1" into this location. A time must be programmed into locations 364-367 early open time and also locations 368-371 late close/autoarm time. To enable the auto arm feature program a "2" into this location. A time must be programmed into locations 368-371. The automatic arming feature will be initiated by the DL250 at the selected time. When all zones have been inactive for 5 minuted the buzzer will start beeping. One minute later, if the buzzer is not silenced by the entry of a valid user code, the DL250 will autoarm. If the buzzer is silenced, the DL250 will initiate a 40 minute delay. After the 40 minute delay, the DL250 will repeat the sequence of autoarming after 5 minutes of zone inactivity. The DL250 will only stop attempting to auto arm at the opening time programmed in locations 364-367. Default is “0" Early Opening - Late Closing / Auto Arming disabled.

VALUE	EARLY OPENING \ AUTOARM ENABLE
0	ALL FEATURES DISABLED
1	**EARLY OPENING \ LATE TO CLOSE REPORTING**
2	**AUTOARMING ENABLED**
3	EARLY OPENING \ LATE TO CLOSE REPORTING AUTOARMING ENABLED

LOCATION 375: AUTO CALLBACK ENABLE

This feature is used for the automatic download found in the “DASLOAD” download software. Programming a "1" in location 375 will cause the control panel to automatically call the download computer callback number at every autotest interval. This feature will not activate unless a callback phone number has been programmed in locations 008-015, and a "2" is programmed in location 024 in the DL250 download section.

LOCATION 376: RESERVED

LOCATION 377: WEEKLY AUTO TEST ENABLE

Location 377 is used to select the day of the week, in which an autotest report will occur. Program a number from 1 (Sunday) to 7 (Saturday) for the day of the week to perform the autotest. The test will be performed at the hour specified in locations 380-383. The default is "0" and Autotests will be performed on an hourly interval based on the settings of locations 378 - 379. Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

LOCATIONS 378-379: HOURLY AUTOTEST INTERVAL

Locations 378 - 379 are used to set the hourly autotest interval. Hourly Autotests are disabled if there are autotest day intervals programmed in location 377. Programmed in these locations is the number hours 1 - 99 between autotest reports. To determine when the first Auto Test will be reported, locations 452-453 “Number of elapsed hours since last autotest “ must be set. The minutes setting for this Auto Test report can be programmed in locations 382-383. Factory default is “2"-”4". Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

LOCATION 380-383: TIME TO PERFORM AUTOTEST

In these locations you program the time that you want the autotest to report. The time must be entered in a 24 hour (military) format. For example, if the autotest time will be 23:50 the location 380 contains a '2", location 381 contains a "3" location 382 contains a "5" and location 383 contains a "0". If an autotest time of midnight is required then set these locations to 00:00. The minutes locations (382-383) will be used to determine the minutes setting when Hourly Auto Test is used in locations 378-379. Factory default is "02:00". Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

LOCATION 384: NUMBER OF EXPANSION DEVICES

Location 384 is programmed with the number of expansion devices that may be connected to the DL250. A total of seven (7) expansion devices can be connected to the DL250, therefore, to connect 2 expansion device to the DL250 a “2" must be programmed into this location. When expansion devises are used, the DL250 will automatically switch to the Smart Buss mode. This means the standard 8 Zone LED code pad cannot be used with this system, and only Smart Buss compatible code pads can be used. If a “8" is programmed in this location, the DL250 will switch to the Smart Buss mode without requiring to see expansion devices. This feature is used when the features of the Smart buss are required (such as viewing the event log and change the panel clock via the LCD code pad and other Smart Buss related features) without the programming of partitions or expansion devices. Note: expansion devices include; Wireless zone expander, 8 way relay board, 16 way aux board, X10 interface, Printer interface, Telephone control interface (Release date: late 95), and System event interface. Factory default is "0" no devices enabled.

LOCATION 385: EXPANDER TROUBLE COMMUNICATOR CODE

Location 385 is used to program reporting Trouble communicator code for expander devices (1 thru 7), when Contact I.D and Ademco High Speed is selected. The Expander Trouble communicator code can be reported when an expansion device dose not respond to the DL250 after a short period of time. When contact I.D is selected, program a one (1) in this location to enable this report, an event "333 - Expander Trouble" will be reported. When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "????5555 5555 9" Auto Test is reported. Default for Expander Trouble code is “0" disabled.

LOCATION 386: EXPANDER TROUBLE PHONE SELECTOR

If a phone number other than phone #1 is desired, I.E. for dual or split reporting. A binary number must be programmed into this location. This is derived by adding a "1" for phone #1, a "2" for phone #2 and a "4" for the internal log. Factory default is "1" which causes Expander Trouble to report on phone #1 and internal log if the communicator event is enabled.

LOCATION 387: EXPANDER TROUBLE RESTORE COMMUNICATOR CODE

The 250 has the ability to report to the base station when the an expander device has been restored. Once the expander device has been restored to the 250, there will be a short delay time before the restore code will be sent to the base station. Program a "1" into this location to enable expander device restore reports. Program a "0" into this location to disable restore reports. Default for expander device code is “0" disabled.

LOCATIONS 388-395: PROGRAMMING THE ZONE TYPES FOR ZONES 9-16

Locations 388 through 395 contain a number identifying the characteristics of zones 9 through 16. Location 388 corresponds to zone 9 and location 395 corresponds to zone 16. These zones have been factory defaulted to instant (6) zone types. Other zone characteristics can be found in the table on page 15.

LOCATIONS 396-403: ASSIGNING SPECIAL CHARACTERISTICS FOR ZONES 9-16

Locations 396-403 are used to assign zone characteristics for zones 9 through 16. Location 396 is for zone 9 and location 403 is for zone 16. Each zone can have any or all of the following characteristics regardless of the zone type selected in locations 388-395 excluding Fire zones, which cannot be Isolated. Factory default is "12" for each of these locations, meaning that Zone Isolate Capability & Partial Arm is enabled, and the other characteristics are not enabled. When Partial Arm is enabled, that zone is active in Partial mode. Remove this option from the zone(s) which are to be isolated in Partial mode. Note: zone will not isolate in partial mode or group isolate if (8) Zone Isolate Capability is not enabled. Other special characteristics can be found in the table on page 16.

LOCATIONS 404-411: ASSIGNING AUDIBLE CHARACTERISTICS FOR Zones 9-16.

Locations 404-411 are used to assign the audible characteristics of zones 9 through 16. Location 404 is for zone 9 and location 411 is for zone 16. Each zone can have one, or a combination of the following audible characteristics. To determine the appropriate data for these locations, refer to the chart below and add the sum of the corresponding values to arrive at the correct data for these locations. For all zones the factory default is "1". This means that zones 9-16 will create a yelp siren output when an alarm is created. NOTE: If a **Fire** zone type is selected in locations 388-395, standard fire zone characteristics will override any selection made for a zone in this section I.E. a steady siren will be generated for a short circuit and a code pad sounder for an open circuit. Zones with a steady siren characteristic will over ride zones with a yelp siren characteristic. If a chime zone is selected, then refer to locations 213 and 214 for more detail. Other audible characteristics can be found in the table on page 16.

LOCATIONS 412-419: REPORTING / SPECIAL CHARACTERISTICS FOR Zones 9-16

Locations 412-419 are used to assign communicator characteristics to individual zones 9 through 16. Location 412 is for zone 9, and location 419 is for zone 16. Each zone can have one, or a combination of these characteristics. Factory default for all zones is (1 + 2 = "3"). This means that each zone has **Restore Reporting (Value = 1), Isolate Reporting (Value = 2)** enabled. It should be noted that these locations are used to enable individual zone report capability by zone. A reporting code must be programmed in the appropriate location to enable overall reporting capability of **Restore** reports (location 332) **Isolate** reports (location 334). Twin trip zone 9 through 16 are also enabled in these locations. Program Twin trip (Value = 8) to enable this feature. **Double EOL Tamper** is not available on zones 9 to **16.**

VALUE	REPORTING/SPECIAL CHARACTERISTICS	VALUE	REPORTING/SPECIAL CHARACTERISTICS
0	NO FEATURE SELECTED	7	RESTORE REPORTING ◆ ISOLATE REPORTING ◆ DOUBLE EOL ENABLE
1	RESTORE REPORTING	8	TWIN TRIP ENABLE
2	ISOLATE REPORTING	9	RESTORE REPORTING ◆ TWIN TRIP ENABLE
3	RESTORE REPORTING ◆ ISOLATE REPORTING	10	ISOLATE REPORTING ◆ TWIN TRIP ENABLE
4	NOT USED	11	RESTORE REPORTING ◆ ISOLATE REPORTING ◆ TWIN TRIP ENABLE

LOCATION 420-423: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 9

Locations 420-423 are used to control the communicator code for zone 9. Zone 9 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “09" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 9 is defaulted to report, a "1555 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:0:9:5" with telephone number 1 and the event log enabled.

LOCATION 424-427: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 10

Locations 424-427 are used to control the communicator code for zone 10. Zone 10 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “10" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 10 is defaulted to report, a "5555 5551 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:1:0:5" with telephone number 1 and the event log enabled.

LOCATION 428-431: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 11

Locations 428-431 are used to control the communicator code for zone 11. Zone 11 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “11" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 11 is defaulted to report, a "1555 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:1:1:5" with telephone number 1 and the event log enabled.

LOCATION 432-435: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 12

Locations 432-435 are used to control the communicator code for zone 12. Zone 12 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “12" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 12 is defaulted to report, a "5155 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:1:2:5" with telephone number 1 and the event log enabled.

LOCATION 436-439: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 13

Locations 436-439 are used to control the communicator code for zone 13. Zone 13 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “13" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 13 is defaulted to report, a "5515 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:1:3:5" with telephone number 1 and the event log enabled.

LOCATION 440-443: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 14

Locations 440-443 are used to control the communicator code for zone 14. Zone 14 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “14" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 14 is defaulted to report, a "5551 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:1:4:5" with telephone number 1 and the event log enabled.

LOCATION 444-447: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 15

Locations 444-447 are used to control the communicator code for zone 15. Zone 15 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “15" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 15 is defaulted to report, a "5555 1555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:1:5:5" with telephone number 1 and the event log enabled.

LOCATION 448-451: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 16

Locations 448-451 are used to control the communicator code for zone 16. Zone 16 is automatically enabled and When contact I.D is selected, the default report is an event "130 - Burglary" with point “16" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 16 is defaulted to report, a "5555 5155 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are “3:1:6:5" with telephone number 1 and the event log enabled. Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

LOCATIONS 452-453: NUMBER OF ELAPSED HOURS SINCE LAST AUTOTEST

Locations 452-453 sets the number of elapsed hours since the last auto test and is only used in conjunction with the “Hourly autotest interval” feature in locations 378-379 . EG If you want the Autotest to be reported at 01:30 AM every 24 hours and the current time is 12:50 PM. First program the hourly intervals I.E. program locations 378-379 (HOURLY AUTOTEST INTERVAL) with a “2" in location 378 and a “4" in location 379 for 24 hour reporting. Secondly program the minutes of the hour that the Autotest will report I.E. program locations 382-383 (TIME TO PERFORM AUTOTEST) with a “3" in location 382 and a “0" in location 383 to report on the 30th minute of the selected hour. Then Lastly program these location with the elapsed hours since the last Autotest, I.E. if the current time is 12:50PM and the Auto test time required is 01:30AM then there has been 11 hours elapsed since 01:30AM. Therefore program a “1" in location 452 and a “1" in location 453.

LOCATION 454: PROGRAMMING CURRENT DAY OF WEEK

A number from 1 to 7 is programmed in this location to indicate the current day of the week. If the day is Monday program a "2" in this location. If the day is Friday, program a "6" in this location. Sunday = "1" and Saturday = "7".

LOCATION 455: PROGRAMMING THE CURRENT MONTH

Location 455 contains the current month. The month must be programmed using a number from "1" to "12".

LOCATION 456: PROGRAMMING THE CURRENT DAY OF MONTH TENS DIGIT

Location 456 should be programmed with the first digit of the current day of the month. If the current date is December 25th, program a "2" in location 456.

LOCATION 457: PROGRAMMING THE CURRENT DAY OF MONTH ONES DIGIT

Location 457 should be programmed with the second digit of the current day of the month. If the current date is December 25th, program a "5" in location 457.

LOCATION 458: PROGRAMMING THE CURRENT YEAR - TENS DIGIT

Location 458 contains the current year - tens digit. If the current year is 1997, this location should contain a 9, which is the tens digit of the current year.

LOCATION 459: PROGRAMMING THE CURRENT YEAR - ONES DIGIT

Location 459 contains the current year - ones digit. If the current year is 1997, this location should contain a "7", which is the ones digit of the current year.

LOCATION 460: PROGRAMMING THE CURRENT HOUR - TENS DIGIT

Location 460 contains the current hour - tens digit. The time is entered in 24 hour time. If the current time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "1", which is the current hour - tens digit. If the current time is 9:36 am, the 24 hour time is 09:36, so this location should contain a "0".

LOCATION 461: PROGRAMMING THE CURRENT HOUR - ONES DIGIT

Location 461 contains the current hour - ones digit. The time is entered in 24 hour time. If the current time is 5:25 pm, the 24 hour time is 17:25, so location 461 should contain a "7", which is the current hours - tens digit. If the current time is 9:36 am, the 24 hour time is 09:36, so this location should contain a "9".

LOCATION 462: PROGRAMMING THE CURRENT MINUTES - TENS DIGIT

Location 462 contains the current minutes - tens digit. The time is entered in 24 hour time. If the current time is 5:25 pm, the 24 hour time is 17:25, so location 462 should contain a "2", which is the current minutes - tens digit. If the current time is 9:36 am, the 24 hour time is 09:36, and this location should contain a "3".

LOCATION 463: PROGRAMMING THE CURRENT MINUTES - ONES DIGIT

Location 463 contains the current minutes - ones digit. The time is entered in 24 hour time. If the current time is 5:25 pm, the 24 hour time is 17:25, so this location should contain a "5", which is the current minutes - ones digit. If the current time is 9:36 am, the 24 hour time is 09:36 and this location should contain a "6".

LOCATIONS 464 - 475: PROGRAMMING WIRELESS ZONE EXPANDER

Locations 464-475 are referred to as “Shadow Location”. The DL250 wireless zone expander / receiver contains nonvolatile memory for storing specific information about the receiver and each transmitter. Because of the amount of information and the limited amount of programming locations available on the DL250, a set of Shadow Locations are employed to transfer information from the DL250 to the wireless zone expander / receiver during programming. These shadow locations are actual locations on the DL250, but are not used by the DL250. Instead, the DL250 wireless zone expander / receiver will read these locations whenever a new set of programming parameter is ready to be set in the receiver. The DL250 wireless zone expander / receiver manual must be referred to when these locations are used to program the wireless zone expander / receiver.

THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING

LOCATIONS 000-007: CONTROL PANEL ACCESS CODE

Locations 000-007 contain the eight digit access code the DL250 must receive from the downloading software before the panel will permit downloading to occur. The factory default code is listed in the instructions provided with the DAS download software package.

LOCATIONS 008-023: CALL BACK TELEPHONE NUMBER

If a telephone number is programmed into these locations, and "callback" is enabled in location 024, the control panel will hang up for approximately 36 seconds (insuring that the calling party has disconnected), and then call back. If tone dialling is desired, program an "F" in location 008. Four second delays can be obtained anywhere in the sequence by programming a "D" in the appropriate delay location. **WARNING: THE CALLBACK PHONE NUMBER SHOULD ALWAYS BE REVIEWED FOR ACCURACY BEFORE DISCONNECTING.**

LOCATION 024: CALL BACK OPTIONAL FEATURES

The number programmed in location 024 will set the callback options for the control panel. Any or all of the features below can be obtained by programming the appropriate data in this location. The correct data can be obtained by **ADDING** the values of the corresponding characteristics from the table below (possible values are 0 to 7).

VALUE	CHARACTERISTIC
1	Panel will automatically callback for download session.
2	Site initiated download call by entering [✶][9][8][#] at Code Pad, and/or automatic callback if a "1" is programmed in location 375.
4	Panel will automatically callback when the event log is full.

LOCATION 025: LOCAL PROGRAMMING LOCKOUT

Location 025 is used to disable local programming lockout. If a "5" is programmed in this location, all local programming is locked out. Any other number in location 025 will allow all local programming.

LOCATION 026: CONTROL PANEL SHUTDOWN

Location 026 is used to shut down the control panel. Programming an "A" in this location will completely shutdown the control panel. The Code Pad will appear "dead" and the siren and communicator will not operate. WARNING: EXTREME CARE SHOULD BE TAKEN NOT TO INADVERTENTLY PROGRAM THIS LOCATION.

ARM/DISARM CODES 1 - 15

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
000-003	9	USER #1 ARM/DISARM CODE					"1-2-3-4"
004-007	9	USER #2 ARM/DISARM CODE					"15" DISABLED
008-011	9	USER #3 ARM/DISARM CODE					"15" DISABLED
012-015	9	USER #4 ARM/DISARM CODE					"15" DISABLED
016-019	9	USER #5 ARM/DISARM CODE					"15" DISABLED
020-023	9	USER #6 ARM/DISARM CODE					"15" DISABLED
024-027	9	USER #7 ARM/DISARM CODE					"15" DISABLED
028-031	9	USER #8 ARM/DISARM CODE					"15" DISABLED
032-035	9	USER #9 ARM/DISARM CODE					"15" DISABLED
036-039	9	USER #10 ARM/DISARM CODE					"15" DISABLED
040-043	9	USER #11 ARM/DISARM CODE					"15" DISABLED
044-047	9	USER #12 ARM/DISARM CODE					"15" DISABLED
048-051	9	USER #13 ARM/DISARM CODE					"15" DISABLED
052-055	9	USER #14 ARM/DISARM CODE					"15" DISABLED
056-059	9	USER #15 ARM/DISARM CODE					"15" DISABLED
060-063	9	"GO TO PROGRAM" ACCESS CODE					"9-7-1-3"

ENABLING ARM/DISARM CODES 1-15 BY PARTITION (OPTIONAL)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
64	9	PARTITION(S) FOR USER #1		"7" ALL
65	9	PARTITION(S) FOR USER #2		"7" ALL
66	9	PARTITION(S) FOR USER #3		"7" ALL
67	9	PARTITION(S) FOR USER #4		"7" ALL
68	9	PARTITION(S) FOR USER #5		"7" ALL
69	9	PARTITION(S) FOR USER #6		"7" ALL
70	9	PARTITION(S) FOR USER #7		"7" ALL
71	9	PARTITION(S) FOR USER #8		"7" ALL
72	9	PARTITION(S) FOR USER #9		"7" ALL
73	9	PARTITION(S) FOR USER #10		"7" ALL
74	9	PARTITION(S) FOR USER #11		"7" ALL
75	9	PARTITION(S) FOR USER #12		"7" ALL
76	9	PARTITION(S) FOR USER #13		"7" ALL
77	9	PARTITION(S) FOR USER #14		"7" ALL
78	9	PARTITION(S) FOR USER #15		"7" ALL
79	9	PARTITION(S) FOR "GO TO PROGRAM" ACCESS CODE		"7" ALL

AUTHORISATION LEVEL FOR ARM/DISARM CODES 1-15 BY PARTITION (OPTIONAL)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
80	10	AUTHORISATION LEVEL FOR USER #1		"9"
81	10	AUTHORISATION LEVEL FOR USER #2		"9"
82	10	AUTHORISATION LEVEL FOR USER #3		"9"
83	10	AUTHORISATION LEVEL FOR USER #4		"9"
84	10	AUTHORISATION LEVEL FOR USER #5		"9"
85	10	AUTHORISATION LEVEL FOR USER #6		"9"
86	10	AUTHORISATION LEVEL FOR USER #7		"9"
87	10	AUTHORISATION LEVEL FOR USER #8		"9"
88	10	AUTHORISATION LEVEL FOR USER #9		"9"
89	10	AUTHORISATION LEVEL FOR USER #10		"9"
90	10	AUTHORISATION LEVEL FOR USER #11		"9"
91	10	AUTHORISATION LEVEL FOR USER #12		"9"
92	10	AUTHORISATION LEVEL FOR USER #13		"9"
93	10	AUTHORISATION LEVEL FOR USER #14		"9"
94	10	AUTHORISATION LEVEL FOR USER #15		"9"

DIAL ATTEMPTS

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
95	10	DIAL ATTEMPTS FOR PHONE #1 OPT=("1" THRU "15")		"6"
96	10	DIAL ATTEMPTS FOR PHONE #2 OPT=("1" THRU "15")		"6"

PRIMARY PHONE NUMBER

LOCATION	PAGE	DESCRIPTION	PHONE NUMBER	"DEFAULT"
97-104	10	PRIMARY PHONE NUMBER, DIGITS 1 - 8		"14" DISABLED
105-112	10	PRIMARY PHONE NUMBER, DIGITS 9 - 16		"14" DISABLED

PRIMARY ACCOUNT NUMBER

LOCATION	PAGE	DESCRIPTION	ACCOUNT CODE	"DEFAULT"
113-117	10	PRIMARY ACCOUNT NUMBER		"0" DISABLED

PRIMARY FORMAT

LOCATION	PAGE	DESCRIPTION	FORMAT	"DEFAULT"
118	11	PRIMARY FORMAT OPT=("1" THRU "15")		"0" DISABLED

SECONDARY PHONE NUMBER

LOCATION	PAGE	DESCRIPTION	PHONE NUMBER	"DEFAULT"
119-126	11	SECONDARY PHONE NUMBER, DIGITS 1 - 8		"14" DISABLED
127-134	11	SECONDARY PHONE NUMBER, DIGITS 9 - 16		"14" DISABLED

SECONDARY ACCOUNT NUMBER

LOCATION	PAGE	DESCRIPTION	ACCOUNT CODE	"DEFAULT"
135-139	12	SECONDARY ACCOUNT NUMBER		"0" DISABLED

SECONDARY FORMAT

LOCATION	PAGE	DESCRIPTION	FORMAT	"DEFAULT"
140	12	SECONDARY FORMAT OPT=("1" THRU "15")		"0" DISABLED

PARTITION #3 ACCOUNT NUMBER (OPTIONAL)

LOCATION	PAGE	DESCRIPTION	ACCOUNT CODE	"DEFAULT"
141-145	12	PARTITION #3 ACCOUNT CODE		"0" DISABLED

PROGRAMMING OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
146	12	COMMUNICATOR DIALLING SEQUENCE *OPT=("0" THRU "15")*		"3"

FORMAT SELECT TABLE

DATA	FORMAT	DESCRIPTION
0	LOCAL ONLY	COMMUNICATOR IS DISABLED
1	ADEMCO CONTACT ID	DTMF FORMAT
2	ADEMCO 4/2 EXPRESS	DTMF FORMAT
3	PAGER FORMAT	REPORTS IN 4 + 3 FORMAT OR DOMESTIC DIALLING
4	ADEMCO HIGH SPEED	DTMF FORMAT
5	RADIONICS EXTENDED SLOW	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 20 PPS HEX EXT DOUBLE ROUND
6	CADDX MODEM	PROPRIETARY
7	RADIONICS EXTENDED FAST	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 40 PPS HEX EXT DOUBLE ROUND
8	RADIONICS EXTENDED FAST	1800Hz TRANSMITTAL 1400Hz HANDSHAKE 40 PPS HEX EXT DOUBLE ROUND
9	RADIONICS EXT FAST W/PARITY	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 40 PPS HEX EXTENDED
10	NOT USED	
11	ADEMCO/SILENT KNIGHT SLOW	1900Hz TRANSMITTAL 1400Hz HANDSHAKE 10 PPS DOUBLE ROUND PARITY
12	SILENT KNIGHT 4+2 FAST	1900Hz TRANSMITTAL 1400Hz HANDSHAKE 20 PPS DOUBLE ROUND PARITY
13	SESCOA/FRANKLIN FAST	1800Hz TRANSMITTAL 2300Hz HANDSHAKE 20 PPS HEX DOUBLE ROUND
14	SIA	FSK FORMAT
15	CUSTOM FORMAT	SELECT YOU OWN FORMAT FOR PAGER,OR NON STANDARD BASE STATIONS. REF:- TO APPENDIX (3).

PROGRAMMING OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
147	13	NUMBER OF RINGS TO ANSWER DOWNLOAD CALL *OPT=("0" THRU "15")*		"0" DISABLED
148	13	ANSWERING MACHINE DEFEAT *OPT=("0" THRU "3") RINGS*		"0" DISABLED
149	13	TELEPHONE LINE MONITOR *OPT=("0" THRU "7")*		"0" DISABLED
150	13	TELEPHONE LINE MONITOR DELAY *OPT=("0" THRU "15") 10 SEC INC*		"0" DISABLED
151	13	DIAL ATTEMPT COUNTER *OPT=("0" THRU "15")*		"0 DISABLED
152	14	PRIMARY ENTRY DELAY *OPT=("0" THRU "15") 5 SEC INC*		"6" 30 SECONDS
153	14	PRIMARY EXIT DELAY *OPT=("0" THRU "15") 10 SEC INC*		"6" 60 SECONDS
154	14	SECONDARY ENTRY DELAY *OPT=("0" THRU "15") 10 SEC INC*		"6" 60 SECONDS
155	14	SECONDARY EXIT DELAY *OPT=("0" THRU "15") 10 SEC INC*		"9" 90 SECONDS
156	14	SIREN CUTOFF TIME *OPT=("0" THRU "15") 2 MIN INC*		"4" 8 MINUTES
157	14	TAMPER SOUNDER CONTROL *OPT=("0" THRU "3")*		"0" SILENT
158	15	TWIN TRIP ZONE SOUNDER CONTROL *OPT=("0" THRU "3")*		"0" SILENT

ZONE TYPES FOR ZONES 1 - 8

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
159	15	ZONE #1 - ZONE TYPE		"3" ENTRY/EXIT
160	15	ZONE #2 - ZONE TYPE		"5" HANDOVER
161	15	ZONE #3 - ZONE TYPE		"5" HANDOVER
162	15	ZONE #4 - ZONE TYPE		"6" INSTANT
163	15	ZONE #5 - ZONE TYPE		"6" INSTANT
164	15	ZONE #6 - ZONE TYPE		"6" INSTANT
165	15	ZONE #7 - ZONE TYPE		"6" INSTANT
166	15	ZONE #8 - ZONE TYPE		"6" INSTANT

SPECIAL CHARACTERISTICS FOR ZONES 1 - 8

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
167	16	ZONE #1 - SPECIAL CHARACTERISTICS		"12"
168	16	ZONE #2 - SPECIAL CHARACTERISTICS		"12"
169	16	ZONE #3 - SPECIAL CHARACTERISTICS		"12"
170	16	ZONE #4 - SPECIAL CHARACTERISTICS		"12"
171	16	ZONE #5 - SPECIAL CHARACTERISTICS		"12"
172	16	ZONE #6 - SPECIAL CHARACTERISTICS		"12"
173	16	ZONE #7 - SPECIAL CHARACTERISTICS		"12"
174	16	ZONE #8 - SPECIAL CHARACTERISTICS		"12"

AUDIBLE CHARACTERISTICS FOR ZONES 1 - 8

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
175	16	ZONE #1 - AUDIBLE CHARACTERISTICS		"1"
176	16	ZONE #2 - AUDIBLE CHARACTERISTICS		"1"
177	16	ZONE #3 - AUDIBLE CHARACTERISTICS		"1"
178	16	ZONE #4 - AUDIBLE CHARACTERISTICS		"1"
179	16	ZONE #5 - AUDIBLE CHARACTERISTICS		"1"
180	16	ZONE #6 - AUDIBLE CHARACTERISTICS		"1"
181	16	ZONE #7 - AUDIBLE CHARACTERISTICS		"1"
182	16	ZONE #8 - AUDIBLE CHARACTERISTICS		"1"

REPORTING CHARACTERISTICS FOR ZONES 1-8

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
183	17	ZONE #1 - REPORTING CHARACTERISTICS		"3"
184	17	ZONE #2 - REPORTING CHARACTERISTICS		"3"
185	17	ZONE #3 - REPORTING CHARACTERISTICS		"3"
186	17	ZONE #4 - REPORTING CHARACTERISTICS		"3"
187	17	ZONE #5 - REPORTING CHARACTERISTICS		"3"
188	17	ZONE #6 - REPORTING CHARACTERISTICS		"3"
189	17	ZONE #7 - REPORTING CHARACTERISTICS		"3"
190	17	ZONE #8 - REPORTING CHARACTERISTICS		"3"

PROGRAMMING OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
191	17	TWIN TRIP TIME PERIOD *OPT=("0" THRU "15") I MIN INC*		"5" MINUTES
192	17	ALL ABORT ENABLE *"1" = ENABLED*		"0" DISABLED
193	17	RESERVED		"0" RESERVED
194	17	RING DETECT ADJUSTMENT		"0" DISABLED
195	18	ZONE RESTORE/SIREN CONTROL *OPT=("0" THRU "7")*		"3"
196	18	AUTO ISOLATE *OPT=("0" THRU "7")*		"0" DISABLED
197	18	SILENT CODE PAD PANIC *OPT=("0" THRU "7")*		"0" DISABLED
198	19	BELL TEST CONTROL *OPT=("0" THRU "15")*		"0" DISABLED
199	19	RESERVED		"0"
200	19	ISOLATED ZONE BEEP *"0" = DISABLED*		"1" ENABLED
201	19	AC POWER OFF BEEP *"0" = DISABLED*		"1" ENABLED
202	19	ENTRY GUARD SECURITY FEATURE *"1" = ENABLED*		"0" DISABLED
203	19	FIRST TO OPEN - LAST TO CLOSE *"1" = ENABLED*		"0" DISABLED
204	20	SILENT ENTRY PREALARM *"1" = SILENT*		"0" AUDIBLE
205	20	PARTITION SIREN INHIBIT *"1" = ENABLED*		"0" DISABLED
206	20	RESERVED		"1"
207	20	RADIO REMOTE ARMING *"1" = ENABLED*		"0" DISABLED
208-209	20	RESERVED		"15"-"0"
210	20	AUTO HOME *OPT=("0" THTHRU6")*		"0" DISABLED
211	20	SWINGER SHUTDOWN COUNT *OPT=("0" THTHRU15")*		"0" DISABLED
212	20	QUICK ARM DIGIT *OPT=("1" THTHRU9")*		"0" DISABLED
213	20	CHIME DIGIT *OPT=("0" THTHRU9")*		"0" DISABLED
214	21	CHIME TIME *OPT=("1" THTHRU14") 2 SEC INC , 0 = FOLLOW , 15 = LATCH*		"2"
215	21	PARTIAL ARM DIGIT *OPT=("0" THTHRU9")*		"2"
216	21	PARTIAL ARM ENTRY TIME *OPT=("0" THTHRU15") 10 SEC INC*		"2" 20 SECONDS
217	21	POWER UP DELAY *OPT=("0" THTHRU15") 10 SEC INC*		"0" DISABLED
218	21	DYNAMIC BATTERY TEST *OPT=("0" THTHRU6")*		"0"
219	21	DYNAMIC BATTERY TEST TIME DURATION *OPT=("0" THUR "15") 1 MIN INC*		"0" DISABLED

AUXILIARY OUTPUT OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
220-223	22	AUX PIN #1					"0 - 0 - 1 - 2"
224-227	22	AUX PIN #2					"0 - 15 - 1 - 2"
228-231	22	AUX PIN #3					"0 - 0 - 1 - 10"
232-235	22	AUX PIN #4					"0 - 0 - 1 - 11"
236-239	23	AUXILIARY OUTPUT OPENING WINDOW					"0 - 6 - 0 - 0"
240-243	24	AUXILIARY OUTPUT CLOSING WINDOW					"2 - 0 - 0 - 0"
~~**244**~~	~~24~~	~~AUXILIARY OUTPUT INVERSION *OPT=("0" THRU "15")*~~					~~"0"~~
245	24	AUXILIARY OUTPUT MINUTES TIMING *OPT=("0" THRU "15")*					"0"

PROGRAMMING PARTITIONS

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
246	25	COMMON AREA *"1" = ENABLED, "2" ENABLED WITH OPEN/CLOSE REPORTING*		"0"
247	25	NUMBER OF ZONES IN PARTITION #1 *SELECT THE NUMBER OF ZONES*		"0"
248	25	NUMBER OF ZONES IN PARTITION #2 *SELECT THE NUMBER OF ZONES*		"0"
249-251	25	RESERVED		"0"

FORMAT OVERRIDE

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
252-255	25	FORMAT OVERRIDE TABLES					"0 - 0 - 0 - 0"

COMMUNICATOR CODES

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
256-259	26	ZONE #1 COMMUNICATOR CODE					"3 - 0 - 1 - 5"
260-263	26	ZONE #2 COMMUNICATOR CODE					"3 - 0 - 2 - 5"
264-267	26	ZONE #3 COMMUNICATOR CODE					"3 - 0 - 3 - 5"
268-271	27	ZONE #4 COMMUNICATOR CODE					"3 - 0 - 4 - 5"
272-275	27	ZONE #5 COMMUNICATOR CODE					"3 - 0 - 5 - 5"
276-279	27	ZONE #6 COMMUNICATOR CODE					"3 - 0 - 6 - 5"
280-283	27	ZONE #7 COMMUNICATOR CODE					"3 - 0 - 7 - 5"
284-287	27	ZONE #8 COMMUNICATOR CODE					"3 - 0 - 8 - 5"

COMMUNICATOR CODES

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
288-291	27	DURESS USER CODE 15 COM CODE					"0 - 0 - 0 - 5"
292-295	27	CODE PAD (1 + 3) AUX 1 COM CODE					"1 - 0 - 0 - 5"
296-299	28	CODE PAD (4 + 6) AUX 2 COM CODE					"1 - 0 - 0 - 5"
300-303	28	CODE PAD (✶ + #) PANIC COM CODE					"2 - 0 - 0 - 5"
304-307	28	CODE PAD TAMPER COMMUNICATOR CODE					"1 - 0 - 0 - 5"
308-311	28	AUTO TEST COMMUNICATOR CODES					"0 - 0 - 0 - 5"
312-315	28	FAIL TO COMMUNICATE COM CODES					"1 - 0 - 0 - 5"
316-319	28	BOX TAMPER COMMUNICATOR CODES					"0 - 0 - 0 - 5"
320-323	28	AC POWER FAIL COMMUNICATOR CODES					"1 - 0 - 0 - 5"
324-327	29	LOW BATTERY COMMUNICATOR CODES					"1 - 0 - 0 - 5"

COMMUNICATOR CODES

LOCATION	PAGE	PAGE	PAGE	"DEFAULT"
328	29	AC POWER RESTORE COMMUNICATOR CODE		"1"
329	29	LOW BATTERY RESTORE COMMUNICATOR CODE		"1"
330	29	AC POWER FAIL REPORT DELAY		"5"
331	29	RESERVED		"0"
332	29	RESTORE CODE FOR ZONES 1-8		"1"
333	29	RESTORE CODE FOR ZONES 9-16		"0"
334	29	ISOLATE CODE FOR ZONES 1-8		"1"
335	30	ISOLATE CODE FOR ZONES 9-16		"0"
336	30	TROUBLE CODE FOR ZONES 1-8		"1"
337	30	TROUBLE CODE FOR ZONES 9-16		"0"
338	30	ZONE TAMPER CODE FOR ZONES 1-8		"1"
339	30	ZONE TAMPER CODE FOR ZONES 9-16		"0"
340	30	OPENING COMMUNICATOR CODE		"0"
341	30	CLOSING COMMUNICATOR CODE		"0"
342	30	OPENING/CLOSING PHONE SELECTOR		"5"
343	30	CANCEL COMMUNICATOR CODE		"0"

COMMUNICATOR CODES

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
344-347	31	LATE TO CLOSE COMMUNICATOR CODE					"0 - 0 - 0 - 5"
348-351	31	EARLY OPENING COMMUNICATOR CODE					"0 - 0 - 0 - 5"
352-355	31	DOWNLOAD COMPLETE COMMUNICATOR CODE					"0 - 0 - 0 - 5"
356-359	31	AUTOMATIC ARM COMMUNICATOR CODE					"0 - 0 - 0 - 5"
360-363	31	CODE PAD AUX #3 COMMUNICATOR CODE					"0 - 0 - 0 - 5"

PROGRAMMING TIMER OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 3	"DEFAULT"
364-367	31	EARLY OPENING TIME					"0 - 6 - 0 - 0"
368-371	32	LATE CLOSING/AUTO ARMING TIME					"2 - 0 - 0 - 0"

PROGRAMMING OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
372	32	CLOSED SATURDAY ENABLE		"0"
373	32	CLOSED SUNDAY ENABLE		"0"
374	32	AUTO ARM ENABLE		"0"
375	32	AUTO CALLBACK ENABLE		"0"
376	33	RESERVED		"RESERVED"
377	33	WEEKLY AUTOTEST ENABLE *SUNDAY = "1" SATURDAY = "7"*		"0"

PROGRAMMING TIMER OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA				"DEFAULT"
					DATA 1	DATA 2	
378-379	33	AUTOTEST INTERVALS *(IN HOURS)*					"2 - 4"
			DATA 1	DATA 2	DATA 3	DATA 4	
380-383	33	TIME TO PERFORM AUTOTEST*(24 HOUR TIME)*					"0 - 2 - 0 - 0"

PROGRAMMING EXPANSION DEVICES

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
384	33	NUMBER OF EXPANSION DEVICES *OPT=("1" THRU "7")*		"0" DISABLED
385	33	EXPANDER TROUBLE COMMUNICATOR CODE		"0" DISABLED
386	33	EXPANDER TROUBLE PHONE SELECTOR		"1"
387	33	EXPANDER TROUBLE RESTORE COMMUNICATOR CODE		"0" DISABLED

ZONE TYPES FOR ZONES 9 -16

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
388	34	ZONE # 9 - ZONE TYPE		"6" INSTANT
389	34	ZONE #10 - ZONE TYPE		"6" INSTANT
390	34	ZONE #11- ZONE TYPE		"6" INSTANT
391	34	ZONE #12 - ZONE TYPE		"6" INSTANT
392	34	ZONE #13 - ZONE TYPE		"6" INSTANT
393	34	ZONE #14 - ZONE TYPE		"6" INSTANT
394	34	ZONE #15 - ZONE TYPE		"6" INSTANT
395	34	ZONE #16 - ZONE TYPE		"6" INSTANT

SPECIAL CHARACTERISTICS FOR ZONES 9 -16

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
396	34	ZONE # 9 - SPECIAL CHARACTERISTICS		"12"
397	34	ZONE #10 - SPECIAL CHARACTERISTICS		"12"
398	34	ZONE #11 - SPECIAL CHARACTERISTICS		"12"
399	34	ZONE #12 - SPECIAL CHARACTERISTICS		"12"
400	34	ZONE #13 - SPECIAL CHARACTERISTICS		"12"
401	34	ZONE #14 - SPECIAL CHARACTERISTICS		"12"
402	34	ZONE #15 - SPECIAL CHARACTERISTICS		"12"
403	34	ZONE #16 - SPECIAL CHARACTERISTICS		"12"

AUDIBLE CHARACTERISTICS FOR ZONES 9 -16

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
404	34	ZONE # 9 - AUDIBLE CHARACTERISTICS		"1"
405	34	ZONE #10 - AUDIBLE CHARACTERISTICS		"1"
406	34	ZONE #11 - AUDIBLE CHARACTERISTICS		"1"
407	34	ZONE #12 - AUDIBLE CHARACTERISTICS		"1"
408	34	ZONE #13 - AUDIBLE CHARACTERISTICS		"1"
409	34	ZONE #14 - AUDIBLE CHARACTERISTICS		"1"
410	34	ZONE #15 - AUDIBLE CHARACTERISTICS		"1"
411	34	ZONE #16 - AUDIBLE CHARACTERISTICS		"1"

REPORTING CHARACTERISTICS FOR ZONES 9 -16

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
412	34	ZONE # 9 - REPORTING CHARACTERISTICS		"3"
413	34	ZONE #10 - REPORTING CHARACTERISTICS		"3"
414	34	ZONE #11 - REPORTING CHARACTERISTICS		"3"
415	34	ZONE #12 - REPORTING CHARACTERISTICS		"3"
416	34	ZONE #13 - REPORTING CHARACTERISTICS		"3"
417	34	ZONE #14 - REPORTING CHARACTERISTICS		"3"
418	34	ZONE #15 - REPORTING CHARACTERISTICS		"3"
419	34	ZONE #16 - REPORTING CHARACTERISTICS		"3"

COMMUNICATOR CODES FOR ZONES 9 -16

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
420-423	34	ZONE # 9 COMMUNICATOR CODE					"3 - 0 - 9 - 5"
424-427	35	ZONE #10 COMMUNICATOR CODE					"3 - 1 - 0 - 5"
428-431	35	ZONE #13 COMMUNICATOR CODE					"3 - 1 - 1 - 5"
432-435	35	ZONE #12 COMMUNICATOR CODE					"3 - 1 - 2 - 5"
436-439	35	ZONE #13 COMMUNICATOR CODE					"3 - 1 - 3 - 5"
440-443	35	ZONE #14 COMMUNICATOR CODE					"3 - 1 - 4 - 5"
444-447	35	ZONE #15 COMMUNICATOR CODE					"3 - 1 - 5 - 5"
448-451	35	ZONE #16 COMMUNICATOR CODE					"3 - 1 - 6 - 5"

PROGRAMMING TIMER OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	"DEFAULT"
452-453	36	NUMBER OF ELAPSED HOURS SINCE LAST AUTOTEST CODE			"UNDEFINED"
				DATA	
454	36	DAY OF THE WEEK *(SUNDAY = "1" SATURDAY= "7")*			"UNDEFINED"
455	36	MONTH OF THE YEAR *(JANUARY = "1" DECEMBER = "12")*			"UNDEFINED"
456	36	DAY OF THE MONTH - TENS DIGIT *(25TH = "2")*			"UNDEFINED"
457	36	DAY OF THE MONTH - ONES DIGIT *(25TH = "5")*			"UNDEFINED"
458	36	CURRENT YEAR - TENS DIGIT *(1994 = "9")*			"UNDEFINED"
459	36	CURRENT YEAR - ONES DIGIT *(1994 = "4")*			"UNDEFINED"
460	36	CURRENT HOUR - TENS DIGIT			"UNDEFINED"
461	36	CURRENT HOUR - ONES DIGIT			"UNDEFINED"
462	36	CURRENT MINUTE - TENS DIGIT			"UNDEFINED"
463	37	CURRENT MINUTE - ONES DIGIT			"UNDEFINED"

PROGRAMMING SHADOW LOCATIONS FOR WIRELESS RECEIVER

LOCATION	PAGE	DESCRIPTION	DATA				"DEFAULT"
			DATA 1	DATA 2	DATA 3	DATA 4	
464-467	37	SYSTEM I.D. CODE					"UNDEFINED"
						DATA 1	
468	37	TRANSMITTER TYPE					"UNDEFINED"
469	37	TRANSMITTER TYPE CONTROL					"UNDEFINED"
					DATA 1	DATA 2	
470-471	37	TRANSMITTER ZONE NUMBER					"UNDEFINED"
472-473	37	TRANSMITTER POINT NUMBER					"UNDEFINED"
						DATA 1	
474	37	TRANSMITTER PROGRAM					"UNDEFINED"
475	37	PHONE SELECTOR / SUPERVISORY SIGNAL REPORT CONTROL					"UNDEFINED"

THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
000-007	37	CONTROL PANEL ACCESS CODE		"25000000"
008-015	37	CALLBACK PHONE NUMBER, DIGITS 1 - 8		"0" DISABLED
016-023	37	CALLBACK PHONE NUMBER, DIGITS 9 - 16		"0" DISABLED
024	37	CALLBACK ENABLE		"0" DISABLED
025	37	LOCAL PROGRAMMING LOCKOUT		"0" DISABLED
026	37	CONTROL PANEL SHUTDOWN		"0" DISABLED

APPENDIX 1

This document lists the event reporting codes for Contact ID reporting in the DL-250. The event codes are programmed by placing a number from 0-15 in the "100's" location of the communicator code for the event being reported. The 10's and 1's digit programmed are sent as the zone identifier. The following event codes will be sent for the digit programmed:

PROGRAMMED 100's DIGIT	ADEMCO EVENT CODE	DEFINITION
0	122	Silent panic
1	110	Fire
2	120	Panic
3	130	Burglary
4	131	Perimeter Burglary
5	132	Interior Burglary
6	133	24 hour Auxiliary
7	134	Entry/Exit Burglary
8	135	Day/Night Burglary
9	150	Non-burg 24 hour
10	121	Duress
11	100	Medical Alarm
12	123	Audible Panic
13	137	General Tamper
14	602	Autotest
15	354	Fail to Communicate

!!! IMPORTANT !!!

The following event codes are sent automatically but must be enabled by programming a "1" in the communicator code location for that report:

REPORTING EVENT	ADEMCO EVENT DIGIT	LOCATIONS
Keypad Tamper	137	304
Autotest	602	308
Fail To Communicate	354	312
Box Tamper	137	316
A.C. Loss	301	320
Low Battery	302	324
Battery Test Fail	309	324
Restore	Event code for alarm	332
Zone Isolate	570	334
Zone Trouble	380	336
Zone Tamper	137 / 144	339
Opening/Closing	401	340 / 341
Cancel	406	343
Late to Close	404	348
Early to Open	400	344
Download Complete	412	352
Expander Trouble	333	385
Wireless Sensor Tamper	137 / 144*	338
Wireless Tx Low Battery	384	Wireless zone Expander / Receiver
Wireless Tx Trouble / Inactive	381	Wireless zone Expander / Receiver

* If location 338 contains a "1", the event code will be 137. If location 338 contains a "2", the event code will be 144.

APPENDIX 2

This document describes the DL-250 reporting event codes when using the SIA format (format 14). The following codes are programmable and are sent when the 100's digit is programmed as the event code. The 10's and 1's digit are then sent as a zone identifier.

PROGRAMMED 100's DIGIT	SIA CODE	DEFINITION
0	PA	PANIC ALARM
1	FA	FIRE ALARM
2	PA	PANIC ALARM
3	BA	BURGLARY ALARM
4	GA	GAS ALARM
5	KA	HEAT ALARM
6	WA	WATER ALARM
7	QA	EMERGENCY ALARM
8	SA	SPRINKLER ALARM
9	UA	UNTYPED ALARM
10	HA	HOLDUP ALARM
11	MA	MEDICAL ALARM
12	ZA	FREEZE ALARM
13	TA	TAMPER ALARM
14	RP	PERIODIC TEST
15		RESERVED

!!! IMPORTANT !!!

The following event codes are fixed but must be enabled by programming a 1 in the corresponding location.

REPORTING EVENT	SIA CODE	PROGRAMMING LOCATION
TAMPER	TA	304
AUTOTEST	RP	308
FAIL TO COMMUNICATE	RT	312
AC LOSS	AT	320
LOW BATTERY	YT	324
AC RESTORE	AR	328
BATTERY RESTORE	YR	329
RESTORE CODE	*R	332
BYPASS CODE	*B	334
BYPASS RESTORE	*U	334 / 332
TROUBLE CODE	*T	336
TROUBLE RESTORE	*R	336 / 332
OPENING	OP	340
CLOSING	CL	341
CANCEL	OC	343
EARLY OPENING	OK	344
FAIL TO CLOSE	CI	348
DOWNLOAD COMPLETE	RS	352

* The character transmitted in this location will be the first character in the SIA code from the top list for the event being transmitted. If a "1" is programmed in location 332, and a Burglary Alarm (B A) restores, a B R will be transmitted. If a "1" is programmed in location 336, and a Fire Alarm (F A) zone goes into Trouble, an (F T) will be transmitted.

APPENDIX 3

Certain older and unusual receivers have formats other than those listed on page 11. Locations 250 thru 255 provide various methods to duplicate these unusual formats. Included in these overrides is the ability to call and report to a personal pager. The timer adjustment options allowed in locations 250 and 255 sometimes can compensate for substandard, or older telephone exchanges. It is suggested that you call DAS technical assistance the first time you attempt to use these override options.

LOCATION 250 - Inter-round time of a two round parity transmission. The inter-round time will be the number contained in location 250 times 800 mSec. If location 250 is "0", the time is determined by the individual formats in locations 118 and 140.

LOCATION 251 - Inter-digit time of a pulse format. If the number programmed in location 251 is something other than "0", The inter-digit time will be that number divided by the PPS. For example, if the number in location 251 is "10", and the format is a 20PPS format, the inter-digit time will be 10/20 of 0.5 seconds. For locations 252 thru 255, you must add the listed values for the desired characteristics and program the sum in the appropriate location. If the value is not added for locations 252 and 253, the converse mode will be enabled for those locations. If the value of 1 is not added to location 252, the transmitted frequency will be 1900 Hz. If the value of 2 is not added to location 253, the communicator will not transmit hex digits. If neither of values 4 or 8 are added to location 253, the communicator will send messages at 40 PPS.

LOCATION 252 - The number programmed in this location will determine the selected default as desired.

VALUE	DESCRIPTION
1	Set for 1800 Hz pulse transmit frequency
2	Set for 2300 Hz handshake frequency
4	Set for single round checksum frequency
8	Set for 2 digit event code

LOCATION 253 - The number programmed in this location will determine the selected default as desired.

VALUE	DESCRIPTION
1	Set for extended reporting
2	Set for hex digits
4	Set for 20 PPS
8	Set for 10 PPS

LOCATION 254 - The number programmed in this location will determine the selected default as desired.

VALUE	DESCRIPTION
1	Set for pager format
2	Set for Ademco handshake
4	Reserved
8	Set for FBI Superfast

LOCATION 255 - The number programmed in this location will determine the selected default as desired.

VALUE	DESCRIPTION
1	Set for Contact ID and Ademco Highspeed
2	Reserved
4	Set for 4/3 and Contact ID
8	Set for DTMF transmission format (4/2 Express, Superfast, Ademco Highspeed & Contact ID

NOTES

SPECIFICATIONS

OPERATING POWER	**16/18 VAC 1.5 AMP Plug Pack**
AUXILIARY POWER	**12 VDC Regulated 400 mA**
LOOP RESISTANCE	**300 Ohms Maximum**
BUILT-IN SIREN DRIVER	**4 Ohms Maximum**
LOOP RESPONSE	**Selectable @ 200 or 500ms**
OPERATING TEMPERATURE	**32 to 120 degrees F**
KEYPAD DIMENSIONS	**5.50" Wide 4.25" High .850" Deep**
METAL ENCLOSURE DIMENSION	**11.25" Wide 16.25" High 3.50" Deep**
SHIPPING WEIGHT	**9 lbs.**

WARRANTY STATEMENT

DIRECT ALARM SUPPLIES GUARANTEES THIS PRODUCT AGAINST DEFECTIVE PARTS AND WORKMANSHIP FOR TWENTY-FOUR (24) MONTHS FROM DATE OF PURCHASE. IF ANY DEFECT APPEARS DURING THE WARRANTY PERIOD RETURN IT TO DAS, POSTAGE PREPAID. THE UNIT WILL BE REPAIRED AND RETURNED. DAS ASSUMES NO LIABILITY FOR CONSEQUENTIAL OR INDIRECT DAMAGE AND ACCEPTS NO RESPONSIBILITY FOR REPAIRING DAMAGE TO THE PRODUCT CAUSED BY MISUSE, CARELESS HANDLING, OR WHERE REPAIRS HAVE BEEN MADE BY OTHERS.

NO OTHER GUARANTEE, WRITTEN OR VERBAL, IS AUTHORIZED BY OR ON BEHALF OF DIRECT ALARM SUPPLIES, 9 NOWILL STREET CONDELL PARK, NSW.

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