Installation Manual

DAS
DIRECT ALARM SUPPLIES

DL-200
S E R E S

DAS DL-200

CONTROL COMMUNICATOR

INSTALLATION MANUAL

TABLE OF CONTENTS

DIRECT ALARM SUPPLIES VILLAWOOD NSW

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DAS DL-200

INSTALLATION MANUAL

General Description

The DAS DL-200 is a versatile 8 sector control panel with a built-in digital communicator and up/downloadable capability. Its microcomputer design gives some of the most versatile, yet easy to use features in the industry today. Each of the Eight sectors can be programmed to be one of eight different types including 24 Hour, Handover, and Day Sector. Each sector is individually annunciated and can be isolated from the keypad.

Read the *OPERATORS MANUAL* before you begin the installation for the best overall description of how the DL-200 functions. After installation of the security system complete the information on page 2 of the operators manual and explain the system operation to all security system owners/operators.

Standard Parts List.

The DL-200 is shipped with the parts listed below included

QUANTITY	PART DESCRIPTION	PART NO.
1	MASTER CONTROL PANEL INCLUDING KEYPAD	FS4539
1	TELEPHONE CONNECTION JACK	FS4596
1	INSTALLATION MANUAL	IM-DL200-C
1	OPERATORS MANUAL	OM-DL200

Optiona Parts List

The following parts are available for use with the DL-200

OPTIONAL PART DESCRIPTION	PART NO.
PROGRAMMER WITH DIGITAL NUMERIC DISPLAY	FS4597
KEYSWITCH MODULE (allows arming with a momentary keyswitch)	FS4578
REMOTE LED KEYPAD	FS4580
LCD ALPHA NUMERIC KEYPAD	FS4574
16/18 VAC, 1.5 AMP PLUG PACK	FS4402
12VDC 6AH BATTERY	FS4312

Page 2

DESCRIPTION OF MAJOR FEATURES

- Up/Downloadable capability
- Up to 15 user codes including an optional "Duress" code
- Microprocessor Watchdog circuit with dead battery microprocessor shutdown
- An advanced "Freeze Frame" alarm history allows you to see the exact condition of the control sectors during the last alarm
- Each sector is E.O.L. supervised for maximum protection and flexibility
 Four wire keypad
- A unique keypad "LED Extinguish" feature saves current on standby battery and allows the keypad to be used in sleeping areas without disturbing the occupants
- Built-in siren driver and 1 Amp DC voltage output
- 400 mA of regulated auxiliary power plus 100 mA of switched auxiliary power
- Entry-Guard capability selectable by sector
- Day annunciation selectable by sector
- Separate fuse for auxiliary power makes the keypad tamper resistant
- Low battery and A.C. Failure detection with report options
- Advanced transient protection with state of the art Transorb technology
- Optional Manual Panic and one Auxiliary activation from the keypad
- EEPROM memory holds all programming features even after total power failure

The communicator has all the power necessary for the most demanding applications. Yet it remains easy to program. Standard communicator features include:

- Choose from a list of 15 standard formats including Ademco High Speed Extended, Radionics high speed with parity, double line parity, and true 4+2
- Each report code is programmable
- Opening and closing reports by user
- Two 16 digit or one 31 digit phone number allows you to switch back and forth between tone and pulse dialing
- Programmable number of communication attempts
- DTMF (tone) and pulse dialing

Page 3

page 4

TERMINAL DRAWING AND SPECIAL NOTES
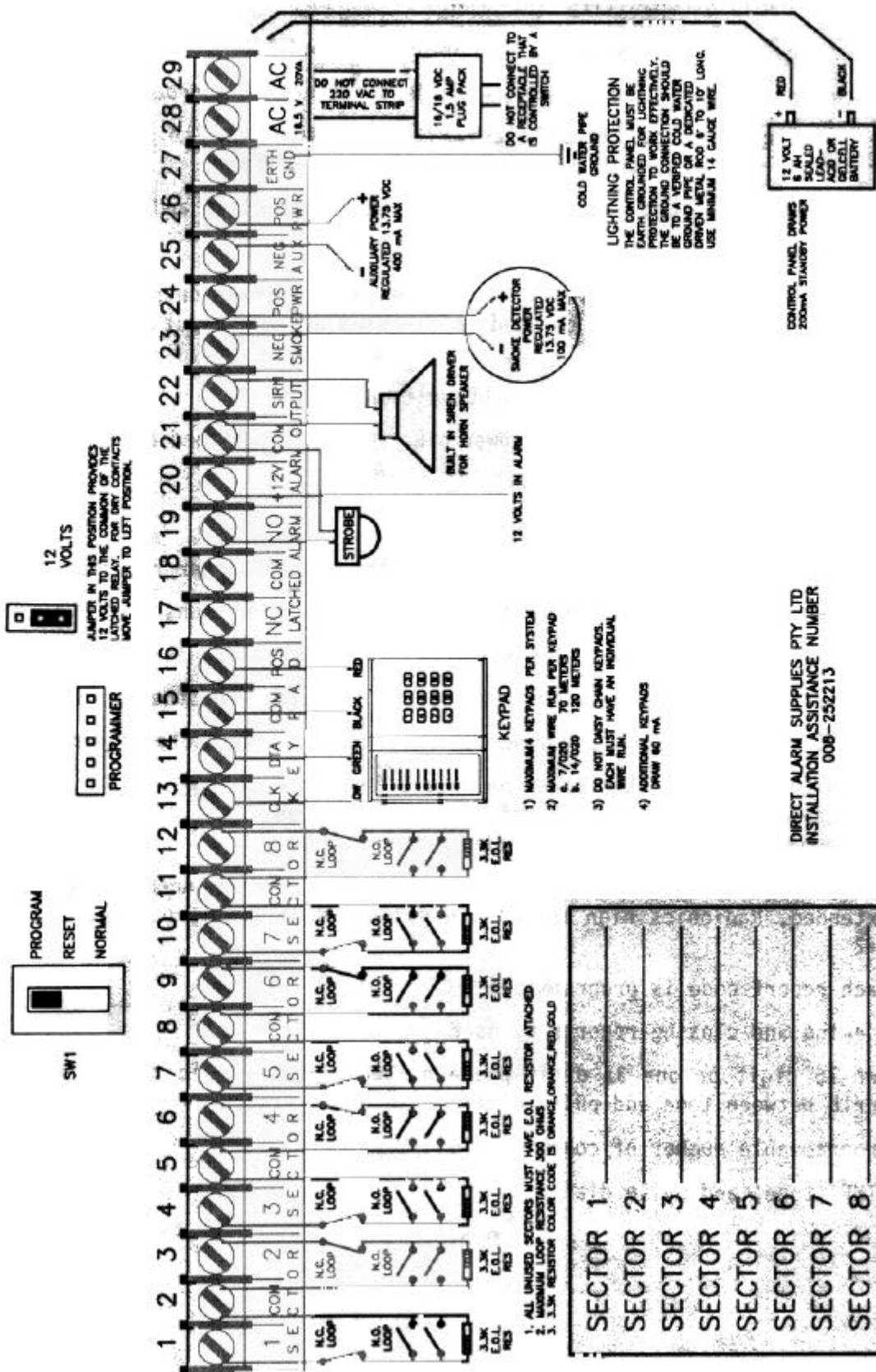
page 5

TERMINAL DESCRIPTION

TERMINAL	DESCRIPTION
	Connect one side of Sector 1 loop. The other side of loop to common terminal 2.
2	Common (-) Terminal
3	Connect one side of Sector 2 loop The other side of loop to common terminal 2.
4 - 12	See Terminal Drawing and repeat the above sequence for sectors 3-8.
13,14,15,16	Connect keypad wires as follows; yellow to 13, green to 14, black to 15, red to 16. 70 meter maximum run with 7/020 cable, 150 meter maximum run with 14/020 cable.
17	Latched alarm output normally closed output. Dry contact if shunt is in up position, 12 volts if shunt is in down (volt position.
18	Latched alarm output common output. Dry contact if shunt is in up position, 12 volts if shunt in down (volt) position.
19	Latched alarm output normally open output. Dry contact if shunt is in up position, 12 volts if shunt is in down (volt) position.
20	Timed Alarm voltage output 12 volts at amp i alarm
21(-)& 22(+)	Siren driver output to speaker maximum load 4 ohms.
23(-)& 24(+)	Keypad resettable power 12VDC, 100 mA maximum. To reset, press the [#] key when control is in disarmed state.
25(-)& 26(+)	Auxiliary power, regulated 12VDC, 400 mA maximum
27	Earth Ground, connect to a cold water pipe or 6 to 10 foot driven rod.
28 & 29	AC input, connect a 16/18 Volt 1.5 amp plugpak.
Battery leads	Connect black(-) and red(+) battery leads to 12VDC lead acid rechargeable battery. Do not use dry cell battery.

FUSE DESCRIPTION

FUSE	DESCRIPTION
F1	1 Amp/Auxiliary Power
F2	2 Amp/Siren Driver
F3	3 Amp/12V Alarm Output
F4	3 Amp/Latched Alarm Output

page 6
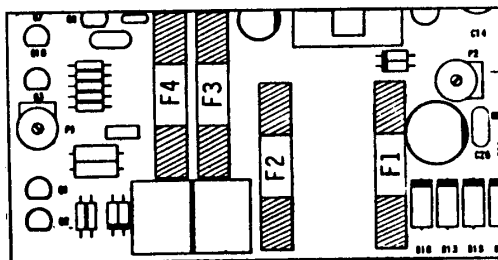
PROGRAMMING

The DL-200 can be placed into the "Program" mode by any one of the three following methods.

1. Slide the Program/Run switch from the run position (down) to the program position (up).

2. Enter the 4 digit "Go To Program" code which must have been entered into locations 176-179 previously. At initial power-up there is no code in these slots and the DL-200 must be programmed by method 1 above or method 3 below. The control must be disarmed.

3. Plug the optional #FS4597 programmer into the 4-pin male outlet marked "program" on the DL-200 P.C. Board.

When the system keypad is utilized for programming (as described by methods 1 and 2 above), the DL-200 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 Sector 1 LED equals "1" when illuminated. The Sector 2 LED equals "2" when illuminated. The Sector 3 LED equals "4" when illuminated. The Sector 4 LED equals "8" when illuminated. Thus if the data in location 000 is "9" the LED for Sector 1 (=1) and Sector 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 LED for Sector 2 (=2) and Sector 3 (=4) would be added (2+4=6) and the data in that location would be 6. If no LED's are illuminated the location contains a "0". To step from location 000 to 001 through 197 press the [#] button. To go to a specific location press the location number followed by the [#] button. The yellow LED's will then display the data in the locations. Data is changed by entering a number "0" to "15" followed by a [*] ([*] = data enter).

When using the optional #FS4597 Programmer, the programming keystrokes will be the same as with the system keypad. The programmer however, has the ability to display the location number and the data on the numeric display.

There are three function codes that are used to program the DL-200. These are [2][1][0][#], [2][2][0][#] and [2][3][0][#] and are described below.

- After all the data has been entered into locations 000-197 you must enter the code [2][2][0][#] to permanently program the information into the EEPROM. If this step is not taken, the data in the EEPROM will not change and the DL-200 will not change characteristics.

- To change the DL-200 data back to the original default values enter the code [2][1][0][#] to load the data into the RAM memory, and then [2][2][0][#] to load that data into the EEPROM.

- To exit the Program mode after it has been accessed with the four digit program code enter code [2][3][0][#].

> THIS PAGE DESCRIBES ALL LOCATIONS WHICH MUST BE PROGRAMMED FOR THE DL-200 TO FUNCTION AND REPORT TO A CENTRAL STATION. ADDITIONAL OPTIONS MAY BE SELECTED BY FOLLOWING THE PROGRAMMING INSTRUCTIONS ON PAGES 11 THRU 21.

LOCATIONS 060-075: PROGRAMMING THE PRIMARY TELEPHONE NUMBER

The primary telephone number is programmed in successive locations beginning with location 060. If location 060 is left "0", the DL-200 will function as a local control. To dial a zero (0),program a "10". A "0" must be entered to indicate the end of the phone number. Four second delays can be programmed at any point in the telephone number by programming a "13" in the appropriate location. If tone dialing is desired, program a "15" in the location where tone dialing should begin. If the entire number should be tone dialing, program a "15" in location 060. If the number to be dialed is greater than 16 digits, the primary and back-up telephone numbers can be connected to make one long number by programming a "12" in location 075.

LOCATIONS 076-091: PROGRAMMING THE BACK-UP TELEPHONE NUMBER

When a back-up telephone number is programmed, the DL-200 will alternate between the primary phone number and the back-up phone number until the number of attempts programmed into location 164 has been tried with no kiss-off from the base receiver. These locations may also be utilized if the primary telephone number is greater than 16 digits by programming a "12" in location 075. Tone dialing and delay instructions are the same as for the primary number.

LOCATIONS 092-095: PROGRAMMING THE ACCOUNT CODE

The account code is programmed in locations 092-095. If the account code is three digits long, location 095 must be "0". If Any zero (0) contained within the account code must be programmed as a "10", and the communicator will report a zero (0).

LOCATION 096: PROGRAMMING COMMUNICATOR FORMAT

Location 096 contains the communicator format. Consult the instructions for your central station receiver to determine which format is compatible. To select Ademco High speed extended, program a "0" in location 096. Sescoa/Franklin Fast requires a "4" in location 096, and Radionics 1800HZ/2300HZ Fast with parity and hex capability requires a "9" in location 096. If you need another format, choose from those listed on the format table located on page 11 and program the data in this location.

LOCATIONS 000-059 and 097-197 ARE ADDITIONAL OPTIONAL PROGRAMMING SLOTS TO CHANGE STANDARD DEFAULT COMMUNICATOR AND CONTROL FUNCTIONS FOR SECURITY SYSTEMS WITH NON-STANDARD REQUIREMENTS. THESE ARE EXPLAINED ON PAGES 12 THRU 22.

ARM/DISARM CODES

LOCATION	PAGE	DESCRIPTION	DATA	DATA	DATA	DATA	DEFAULT
0-3	12	USER 1 ARM/DISARM CODE					"1-2-3-4"
4-7	12	USER 2 ARM/DISARM CODE					"15" DISABLED
8-11	12	USER 3 ARM/DISARM CODE					"15" DISABLED
12-15	12	USER 4 ARM/DISARM CODE					"15" DISABLED
16-19	12	USER 5 ARM/DISARM CODE					"15" DISABLED
20-23	12	USER 6 ARM/DISARM CODE					"15" DISABLED
24-27	12	USER 7 ARM/DISARM CODE					"15" DISABLED
28-31	12	USER 8 ARM/DISARM CODE					"15" DISABLED
32-35	12	USER 9 ARM/DISARM CODE					"15" DISABLED
36-39	12	USER 10 ARM/DISARM CODE					"15" DISABLED
40-43	12	USER 11 ARM/DISARM CODE					"15" DISABLED
44-47	12	USER 12 ARM/DISARM CODE					"15" DISABLED
48-51	12	USER 13 ARM/DISARM CODE					"15" DISABLED
52-55	12	USER 14 ARM/DISARM CODE					"15" DISABLED
56-59	12	USER 15 ARM/DISARM CODE					"15" DISABLED

PHONE NUMBERS, ACCOUNT CODE, AND FORMAT

LOCATION	PAGE	DESCRIPTION									DEFAULT
60-67	7	PHONE NUMBER 1, DIGITS 1 TO 8									"0" DISABLED
68-75	7	PHONE NUMBER 1, DIGITS 9 TO 16									"0" DISABLED
76-83	7	PHONE NUMBER 2, DIGITS 1 TO 8									"0" DISABLED
84-91	7	PHONE NUMBER 2, DIGITS 9 TO 16									"0" DISABLED
92-95	7	ACCOUNT CODE									"0" DISABLED
96	7	COMMUNICATOR FORMAT									"0" DTMF

OPTIONAL CONTROL AND COMMUNICATOR FEATURES

LOCATION	PAGE	DESCRIPTION	DATA	DEFAULT
97	13	ENTRY TIME (10 SECOND INCREMENTS)		"2" 20 SECONDS
98	13	EXIT TIME (10 SECOND INCREMENTS)		"6" 60 SECONDS
99	13	SIREN CUTOFF TIME (2 MINUTE INCREMENTS)		"4" 8 MINUTES
100	13	SECTOR 1 TYPE		"3" ENTRY/EXIT
101	13	SECTOR 2 TYPE		"5" HANDOVER
102	13	SECTOR 3 TYPE		"5" HANDOVER
103	13	SECTOR 4 TYPE		"6" INSTANT
104	13	SECTOR 5 TYPE		"6" INSTANT
105	13	SECTOR 6 TYPE		"6" INSTANT
106	13	SECTOR 7 TYPE		"6" INSTANT
107	13	SECTOR 8 TYPE		"6" INSTANT

page 8

COMMUNICATOR CODES

LOCATION	PAGE	DESCRIPTION	CODE	EXTENDED CODE	DEFAULTS
108-109	14	DURESS COMMUNICATOR CODE			"0" DISABLED
110-111	14	KEYPAD "AUXILIARY" COMMUNICATOR CODE			"0" DISABLED
112-113	14	RESERVED FOR FUTURE USE			RESERVED
114-115	14	KEYPAD PANIC COMMUNICATOR CODE			"8 - 0"
116-117	14	TAMPER COMMUNICATOR CODE			"8 - 0"
118-119	14	AUTO TEST COMMUNICATOR CODE			"0" DISABLED
120-121	15	CHECKSUM ERROR COMMUNICATOR CODE			"0" DISABLED
122	15	OPENING COMMUNICATOR CODE		MAN NUMBER	"0" DISABLED
123	15	CLOSING COMMUNICATOR CODE		MAN NUMBER	"0" DISABLED
124-125	15	SECTOR 1 COMMUNICATOR CODE			"1 - 0"
126-127	15	SECTOR 2 COMMUNICATOR CODE			"2 - 0"
128-129	15	SECTOR 3 COMMUNICATOR CODE			"3 - 0"
130-131	15	SECTOR 4 COMMUNICATOR CODE			"4 - 0"
132-133	16	SECTOR 5 COMMUNICATOR CODE			"5 - 0"
134-135	16	SECTOR 6 COMMUNICATOR CODE			"6 - 0"
136-137	16	SECTOR 7 COMMUNICATOR CODE			"7 - 0"
138-139	16	SECTOR 8 COMMUNICATOR CODE			"8 - 0"
140-141	16	AC POWER FAIL COMMUNICATOR CODE			"0" DISABLED
142-143	16	LOW BATTERY COMMUNICATOR CODE			"0" DISABLED
144	16	RESERVED FOR FUTURE USE			RESERVED
145	17	SECTOR ISOLATION COMMUNICATOR CODE		SECTOR NUMBER	"0" DISABLED
146	17	RESTORE COMMUNICATOR CODE		SECTOR NUMBER	"0" DISABLED
147	17	CANCEL COMMUNICATOR CODE		MAN NUMBER	"0"DISABLED

OPTIONAL CONTROL AND COMMUNICATOR FEATURES

LOCATION	PAGE	DESCRIPTION	DATA	DEFAULT
148	17	ABORT FEATURE		"0" DISABLED
149	17	KEYPAD PANIC AUDIBLE / SILENT		"0" AUDIBLE
150	17	RESERVED FOR FUTURE USE		RESERVED
151	17	BELL TEST		"0" DISABLED
152	18	SECTOR 1 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
153	18	SECTOR 2 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
154	18	SECTOR 3 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
155	18	SECTOR 4 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
156	18	SECTOR 5 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
157	18	SECTOR 6 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
158	18	SECTOR 7 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
159	18	SECTOR 8 FAST LOOP/ENTRY-GUARD/DOOR ANNUNCIATOR SELECT		"0" NONE SELECTED
160	18	SIREN & COMMUNICATOR OUTPUT LIMITATIONS		"1" LIMITED SIREN
161	19	AUTO ISOLATE		"0" DISABLED
162	19	INVERT VOLTAGE OUT		"0" 12V IN ALARM

page 9

OPTIONAL CONTROL AND COMMUNICATOR FEATURES

LOCATION	PAGE	DESCRIPTION	DATA	DEFAULT
163	19	L.E.D. EXTINGUISH FEATURE		"0" DISABLED
164	19	DIAL ATTEMPTS		"6" SIX ATTEMPTS
165	19	ISOLATE RESTORE INHIBIT		"0" DISABLED
166	19	ENTRY-GUARD SECURITY FEATURE		"0" DISABLED
167	19	IMMEDIATE RESTORE BY SECTOR		"1" DISABLED
168	20	NO ARMING WITH A SECTOR BYPASSED		"0" DISABLED
169	20	TIMING THE LATCHED OUTPUT		"0" LATCHING
170	20	AUTOTEST DAY-TENS PLACE		"0"
171	20	AUTOTEST DAY-ONES PLACE		"0"
172	20	AUTOTEST REPORT HOUR-TENS PLACE		"0"
173	20	AUTOTEST REPORT HOUR-ONES PLACE		"0"
174	20	AUTOTEST REPORT MINUTES-TENS PLACE		"0"
175	20	AUTOTEST REPORT MINUTES-ONES PLACE		"0"
176	20	PROGRAMMING CODE DIGIT 1		"15" DISABLED
177	20	PROGRAMMING CODE DIGIT 2		"15" DISABLED
178	20	PROGRAMMING CODE DIGIT 3		"15" DISABLED
179	20	PROGRAMMING CODE DIGIT 4		"15" DISABLED
180	20	QUICK ARM (#3 KEY)		"0" DISABLED
181	20	ENTRY TIME (FOR ENTRY-GUARD)		"2" 20 SECONDS
182-183	21	AC POWER AND LOW BATTERY RESTORAL CODE		"0" DISABLED
184-187	21	RESERVED FOR FUTURE USE		RESERVED
188	21	CLOCK DAY-TENS PLACE		UNDEFINED
189	21	CLOCK DAY-ONES PLACE		UNDEFINED
190	21	CLOCK HOUR-TENS PLACE		UNDEFINED
191	21	CLOCK HOUR-ONES PLACE		UNDEFINED
192	21	CLOCK MINUTES-TENS PLACE		UNDEFINED
193	21	CLOCK MINUTES-ONES PLACE		UNDEFINED
194	21	DOWNLOAD COMPLETE COMMUNICATOR CODE		"0" DISABLED
195	21	DOWNLOAD COMPLETE EXTENDED COMMUNICATOR CODE		"0" DISABLED
196	21	NUMBER OF RINGS TO ANSWER DOWNLOAD CALL (2 RING INCREMENTS)		"0" DISABLED
197	21	RESERVED FOR FUTURE USE		RESERVED

THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING

LOCATION	PAGE	DESCRIPTION									DEFAULT
198-205	22	CONTROL ACCESS CODE									"89000000"
206-213	22	CALLBACK PHONE # DIGIT 1-8									"0" DISABLED
214-221	22	CALLBACK PHONE # DIGIT 9-16									"0" DISABLED

LOCATION	PAGE	DESCRIPTION	DATA	DEFAULT
222	22	ANSWERING MACHINE DEFEAT		"0" DISABLED
223	22	LOCAL PROGRAMMING LOCKOUT		"0" NOT LOCKED
224	22	CONTROL PANEL SHUTDOWN		"0" CONTROL ON

page 10

page 11

COMMUNICATOR FORMAT SELECTIONS

DATA	FORMAT	DESCRIPTION
"0"	ADEMCO HIGH SPEED EXTENDED	DTMF
"1"	ADEMCO/SILENT KNIGHT SLOW	1900HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY 10 PPS
"2"	ADEMCO/SILENT KNIGHT FAST	1900HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY 20 PPS
"3"	SESCOA/FRANKLIN SLOW	1800HZ TRANSMIT 2300HZ HANDSHAKE DOUBLE ROUND PARITY 10 PPS
"4"	SESCOA/FRANKLIN FAST	1800HZ TRANSMIT 2300HZ HANDSHAKE DOUBLE ROUND PARITY 20 PPS
"5"	EXTENDED RADIONICS SLOW	1800HZ TRANSMIT 2300HZ HANDSHAKE DOUBLE ROUND PARITY 20 PPS EXTENDED HEX CAPABILITY
"6"	EXTENDED RADIONICS SLOW	1800HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY 20 PPS EXTENDED HEX CAPABILITY
"7"	EXTENDED RADIONICS FAST	1800HZ TRANSMIT 2300HZ HANDSHAKE DOUBLE ROUND PARITY 40 PPS EXTENDED HEX CAPABILITY
"8"	EXTENDED RADIONICS FAST	1800HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY 40 PPS EXTENDED HEX CAPABILITY
"9"	EXTENDED RADIONICS FAST WITH PARITY	1800HZ TRANSMIT 2300HZ HANDSHAKE SINGLE ROUND WITH PARITY 40PPS EXTENDED HEX CAPABILITY
"A" = 10	EXTENDED RADIONICS FAST WITH PARITY	1800HZ TRANSMIT 1400HZ HANDSHAKE SINGLE ROUND WITH PARITY 40PPS EXTENDED HEX CAPABILITY
"B" = 11	SILENT KNIGHT 4+2 SLOW	1900HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY FOUR-TWO 10PPS
"C" = 12	SILENT KNIGHT 4+2 FAST	1900HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY FOUR-TWO 20PPS
"D" = 13	NON-EXTENDED RADIONICS	1800HZ TRANSMIT 2300HZ HANDSHAKE DOUBLE ROUND PARITY 20 PPS HEX CAPABILITY
"E" = 14	NON-EXTENDED RADIONICS	1800HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY 20 PPS HEX CAPABILITY
"F" = 15	ADEMCO/SILENT KNIGHT FAST HEX	1900HZ TRANSMIT 1400HZ HANDSHAKE DOUBLE ROUND PARITY 20 PPS HEX CAPABILITY

page 12

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

Locations 000-003 contain 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 (see page 23, ENTERING AND CHANGING THE MASTER CODE). The factory default code will be 1-2-3-4.

LOCATIONS 004-055: PROGRAMMING THE ARM/DISARM CODES FOR USERS 2 THRU 14

Locations 004-055 contain the arm/disarm codes for user numbers 2 thru 14. ALL USER CODES MUST CONTAIN FOUR (4) DIGITS. To disable a code, enter a "15" as the first digit of the code. Any of these codes can be changed in the RUN mode using the master code. (see page 23, ENTERING AND CHANGING AUXILIARY CODES). The factory default for users 2 thru 14 is disabled.

LOCATIONS 056-059: PROGRAMMING THE CODE FOR DURESS OR USER 15

Locations 056-059 contain the arm/disarm code for Duress or for user number 15. Duress capability is enabled by programming a communicator code in locations 108-109. If these locations are left unprogrammed, user code 15 will arm/disarm the DL-200 the same as user codes 2 thru 14.

LOCATIONS 060-096: SEE PAGE 7

LOCATION 097: PROGRAMMING THE ENTRY DELAY TIME

Location 097 contains the number of 10 second increments in the entry delay. The entry 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 location 097 will produce an entry delay of 20 seconds. Programming a "6" in location 097 will produce an entry delay of 60 seconds.

LOCATION 098: PROGRAMMING THE EXIT DELAY TIME

Location 098 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 location 098 will produce an exit delay of 20 seconds. Programming a "6" in location 098 will produce an exit delay of 60 seconds.

LOCATION 099: PROGRAMMING THE SIREN SHUTDOWN/RECYCLE TIMEOUT

Location 099 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 location 099 will produce an automatic cutoff time of 4 minutes. Programming a "6" in location 099 will produce an automatic cutoff time of 12 minutes.

page 13

LOCATIONS 100-107: PROGRAMMING THE SECTOR TYPES

Locations 100 through 107 contain a number identifying the characteristics of each of the 8 sectors. Location 100 corresponds to sector 1 and location 105 corresponds to sector 8. Each sector will factory default according to the following list:

SECTOR NUMBER	DEFAULT CHARACTERISTIC
SECTOR 1	ENTRY/EXIT
SECTOR 2	HANDOVER
SECTOR 3	HANDOVER
SECTOR 4	INSTANT
SECTOR 5	INSTANT
SECTOR 6	INSTANT
SECTOR 7	INSTANT
SECTOR 8	INSTANT

To program sector characteristics other than the default values, program a number from "1" to "8" based on the characteristics found in the following list:

NUMBER	SECTOR CHARACTERISTICS DESCRIPTION
"1"	DAY SECTOR - A trip on a Day sector will produce an instant alarm when armed and activate the keypad sounder when disarmed.
"2"	24 HOUR - A trip on a 24 Hour sector will produce an instant alarm when the DL-200 is armed or disarmed.
"3"	ENTRY/EXIT - A trip when armed in the away mode will start entry delay.
"4"	INTERIOR DELAY - A trip on Interior Delay sector when armed, will initiate an entry delay. It will be ignored during exit delay and when disarmed .
"5"	HANDOVER - Interior sector that follows the delay sectors Instant during non-delay times.
"6"	INSTANT - Produces an instant alarm when tripped in the armed mode It is ignored when disarmed.
"7"	24 HOUR SILENT - A trip on a 24 hour silent sector will communicate to the central station when the DL-200 is armed or disarmed.
"8"	CONTROLLED SILENT - A trip on this sector will cause the keypad sounder to sound and the communicator will report the trip to the base station. The siren and associated relay outputs will not be activated by this sector.

NOTE: WHEN A NON 24 HOUR SECTOR IS PROGRAMMED FOR ENTRY-GUARD AND THE "PARTIAL" LED IS ON, THAT SECTOR WILL ALWAYS BE DELAYED.

page 14

IMPORTANT! WHEN PROGRAMMING THE FOLLOWING COMMUNICATOR CODES, A "10" MUST BE PROGRAMMED IN ORDER TO SEND A ZERO (0).

LOCATION 108-109: PROGRAMMING THE DL-200 FOR DURESS CODE CAPABILITY

The DL-200 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 programmed in locations 108-109. If both locations are "0", the duress capability is disabled and user code number 15 can only be used as a standard arm/disarm code. When using Ademco High Speed, program a "1" in either location to enable this feature. When using 4+2 format, location 108 contains the second, or "ones" digit, and location 109 contains the first, or "tens" digit.

LOCATION 110-111: PROGRAMMING FOR KEYPAD AUXILIARY ACTIVATION

The DL-200 has the ability to report an Auxiliary code and activate the siren each time the [1] and [3] keys are pressed simultaneously. The desired reporting code is programmed in locations 110-111. If both locations are "0", this feature is disabled. When using Ademco High Speed, program a "1" in either location to enable this feature. When using a 4+2 format, location 110 contains the second, or "ones" digit, and location 111 contains the first, or "tens" digit.

LOCATION 112-113: RESERVED FOR FUTURE USE (DO NOT PROGRAM THESE LOCATIONS)

LOCATION 114-115: PROGRAMMING FOR KEYPAD PANIC

The DL-200 has the ability to report a Keypad panic code and activate the siren each time the [*] and [#] keys are pressed simultaneously on the keypad. The desired Keypad panic code is programmed in locations 114-115. If both locations are "0", the Keypad panic double keypress is disabled. When using Ademco High Speed, program a "1" in either location to enable this feature. When using 4+2 format, the number programmed in location 114 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 115.

LOCATION 116-117: PROGRAMMING THE TAMPER FEATURE

The DL-200 has an optional tamper feature that when enabled, will lock out the keypads for 1 minute if 30 random keypresses are made without producing a valid code. If the control is not programmed for local only, tamper will be communicated. If both locations are "0", the tamper feature will not be enabled or reported. When using Ademco High Speed, program a "1" in either location to enable this feature. When using 4+2 format, the number programmed in location 116 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 117.

LOCATION 118-119: PROGRAMMING TO REPORT AUTOMATIC TEST REPORTS

The DL-200 has the ability to report automatic test codes in 24 hour intervals every 1 to 99 days. To report a test code program the desired test report code in location 118-119. Once the report code is set the report interval must be programmed in location 170 and 171 and the report time must be programmed in location 172-175. If location 118 and 119 are left unprogrammed, the auto test feature is disabled. When using Ademco High Speed, program a "1" in either location to enable this feature.

LOCATION 120-121: PROGRAMMING TO REPORT EEPROM CHECKSUM ERROR

The DL-200 has the ability to report a checksum error if the data in the eeprom has changed outside of the programming mode. This report will only occur when the control is first powered or a watchdog reset has occurred. When using Ademco High Speed, program a "1" in either location to enable this feature.

LOCATION 122: PROGRAMMING TO REPORT OPENINGS

The DL-200 has the ability to report an opening code each time the control is disarmed. The desired opening code is programmed in location 122. If this location contains "0", openings will not be reported. When using Ademco High Speed, program a "1" in this location to enable this feature. When using the DL-200 series keyswitch module the man number is 1.

LOCATION 123 PROGRAMMING TO REPORT CLOSINGS

The DL-200 has the ability to report a closing code each time the control is armed. The desired closing code is programmed in location 123. If this location contains "0", closings will not be reported. When using Ademco High Speed, program a "1" in this location to enable this feature. When using the DL-200 series keyswitch module the man number is 1. The closing report will not be initiated until the end of the exit delay.

LOCATION 124-125: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 1

Locations 124-125 contain the communicator code to be reported each time sector 1 creates an alarm. Location 124 contains the standard digit and location 125 contains the extended digit. When using 4+2 format, the number programmed in location 124 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 125.

LOCATION 126-127: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 2

Locations 126-127 contain the communicator code to be reported each time sector 2 creates an alarm. Location 126 contains the standard digit and location 127 contains the extended digit. When using 4+2 format, the number programmed in location 126 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 127.

LOCATION 128-129: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 3

Locations 128-129 contain the communicator code to be reported each time sector 3 creates an alarm. Location 128 contains the standard digit and location 129 contains the extended digit. When using 4+2 format, the number programmed in location 128 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 129.

LOCATION 130-131: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 4

Locations 130-131 contain the communicator code to be reported each time sector 4 creates an alarm. Location 130 contains the standard digit and location 131 contains the extended digit. When using 4+2 format, the number programmed in location 130 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 131.

page 16

LOCATION 132-133: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 5

Locations 132-133 contain the communicator code to be reported each time sector 5 creates an alarm. Location 132 contains the standard digit and location 133 contains the extended digit. When using 4+2 format, the number programmed in location 132 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 133.

LOCATION 134-135: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 6

Locations 134-135 contain the communicator code to be reported each time sector 6 creates an alarm. Location 134 contains the standard digit and location 135 contains the extended digit. When using 4+2 format, the number programmed in location 134 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 135.

LOCATION 136-137: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 7

Locations 136-137 contain the communicator code to be reported each time sector 7 creates an alarm. Location 136 contains the standard digit and location 137 contains the extended digit. When using 4+2 format, the number programmed in location 136 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 137.

LOCATION 138-139: PROGRAMMING THE COMMUNICATOR CODE FOR SECTOR 8

Locations 138-139 contain the communicator code to be reported each time sector 8 creates an alarm. Location 138 contains the standard digit and location 139 contains the extended digit. When using 4+2 format, the number programmed in location 138 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 139.

LOCATION 140-141: PROGRAMMING TO REPORT AC POWER LOSS

The DL-200 has the ability to report an AC power failure code when the AC power is removed. The desired AC failure code is programmed in locations 140-141. If both locations are "0", AC failure will not be reported. When using Ademco High Speed, program a "1" in either location to enable this feature. When using 4+2 format, the number programmed in location 140 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 141.

LOCATION 142-143: PROGRAMMING TO REPORT LOW BATTERY

The DL-200 has the ability to report a low battery code when AC power has been lost and the battery has discharged down to 10.3 volts. The desired low battery code is programmed in locations 142-143. If both locations are "0", low battery will not be reported. When using Ademco High Speed, program a "1" in either location to enable this feature. When using 4+2 format, the number programmed in location 142 is sent as the second, or "ones" digit. The first, or "tens" digit is programmed in location 143.

LOCATION 144: RESERVED FOR FUTURE USE (DO NOT PROGRAM THIS LOCATION)

LOCATION 145: PROGRAMMING FOR SECTOR ISOLATE REPORTING

The DL-200 has the ability to report an isolation on sectors. The desired isolate code is programmed in location 145. If this location contains a "0", sector isolations will not be reported. When using Ademco High Speed, program a "1" in this location to enable this feature. The isolations will be reported at the end of the exit delay for non-24 hour sectors. 24 hour sectors will report an isolation immediately. When an isolation is removed, a restore will be reported if "Restore" is enabled in location 146.

LOCATION 146: PROGRAMMING THE COMMUNICATOR CODE FOR RESTORAL

Location 146 contains the communicator code that will be sent for restoral of a sector. If location 146 contains a "0", no restorals will be reported. If a restoral code is programmed and an extended format is selected, the restorals will be reported by sector. If a restoral code is programmed and an extended format is not selected, a restoral code will be sent when all of the previously reported conditions have restored. When using Ademco High Speed, program a "1" in this location to enable this feature.

LOCATION 147: PROGRAMMING THE COMMUNICATOR CODE FOR CANCEL (EXCEPTION OPENING)

Location 147 contains the communicator code that will be sent for cancel. A cancel code will be sent if it is programmed in location 147, and a arm/disarm code is entered after a trip on sectors 1 through 8 has been reported. After a cancel has been reported no loop restorals will be transmitted on non-24 Hour sectors. If location 147 contains a "0", cancel is disabled. When using Ademco High Speed, program a "1" in this location to enable this feature. When using the DL-200 series keyswitch module, the man number is 1.

LOCATION 148: PROGRAMMING THE COMMUNICATOR TO ABORT

Location 148 is used to enable the communicator abort. A "1" in this location will cause the DL-200 to abort the report of a trip on any sector, if an arm/disarm code is entered prior to central station connection. If this location contains "0", the DL-200 will not abort any reports. NOTE! Keypad activated reports will not abort.

LOCATION 149: PROGRAMMING FOR SILENT KEYPAD PANIC/HOLD-UP

Location 149 is used to silence the audible output for a KEYPAD panic/hold-up alarm. Programming a "1" in this location will silence the audible output during a panic/hold-up alarm. If this location contains a "0", the DL-200 will have an audible panic/hold-up output.

LOCATION 150: RESERVED FOR FUTURE USE (DO NOT PROGRAM THIS LOCATION)

LOCATION 151: ENABLING THE BELL TEST FEATURE

Programmed a "1" in location 151 will cause the bell or siren to come on each time the [1] and [7] keys are pressed simultaneously. The siren can be silenced with an arm/disarm code. The bell test will not activate the communicator.

page 18

LOCATIONS 152-159: PROGRAMMING SECTOR CHARACTERISTICS

Locations 152 to 159 (sectors 1 to 8 respectively) are used to program the loop response time and/or enable Entry-Guard and/or enable Day Annunciation and/or restricting of sector restoral reports. Use the following chart to determine the correct data to be programmed in location 152 to 159 to enable these features.

DESCRIPTION	DATA
FAST LOOP RESPONSE TIME (20mS)	"1"
RESTRICT SECTOR RESTORALS	"2"
FAST LOOP RESPONSE TIME (20mS) & RESTRICT SECTOR RESTORALS	"3"
DAY ANNUNCIATION FEATURE	"4"
DAY ANNUNCIATOR & FAST LOOP RESPONSE	"5"
DAY ANNUNCIATION & RESTRICT SECTOR RESTORALS	"6"
DAY ANNUNCIATION, FAST LOOP RESPONSE, & RESTRICT SECTOR RESTORALS	"7"
ENTRY-GUARD FEATURE	"8"
ENTRY-GUARD & FAST LOOP RESPONSE	"9"
ENTRY-GUARD & RESTRICT SECTOR RESTORALS	"10"
ENTRY-GUARD, FAST LOOP RESPONSE, & RESTRICT SECTOR RESTORALS	"11"
ENTRY-GUARD & DAY ANNUNCIATION	"12"
ENTRY-GUARD, DAY ANNUNCIATION, & FAST LOOP RESPONSE	"13"
ENTRY-GUARD, DAY ANNUNCIATION, & RESTRICT SECTOR RESTORALS	"14"
ENTRY-GUARD, DAY ANNUNCIATION, FAST LOOP RESPONSE, & RESTRICT SECTOR RESTORALS	"15"

LOCATION 160: LIMITING SIREN AND/OR COMMUNICATOR OUTPUTS

Location 160 is used to limit the siren or the communicator, or both, to one output per sector during a single arming cycle. The following chart will indicate the data to be programmed in location 160 to give the DL-200 the desired characteristics. Factory default is "1", once per sector for the siren, and unlimited reports for the communicator.

DESCRIPTION	DATA
SIREN AND COMMUNICATOR NOT LIMITED	"0"
SIREN ONCE PER SECTOR, COMMUNICATOR NOT LIMITED	"1"
COMMUNICATOR ONE REPORT PER SECTOR, SIREN NOT LIMITED	"2"
SIREN AND COMMUNICATOR LIMITED TO ONCE PER SECTOR	"3"

LOCATION 161: ENABLING THE AUTOMATIC ISOLATE FEATURE

Location 161 is used to enable the "Auto Isolate" feature of the DL-200. The feature is enabled by programming a "1" in this location. Factory default is "0", disabling this feature. If this feature is selected and a sector is not secured at the end of the exit delay, it will be auto isolated and the security system will arm normally. If a sector is not secure at code entry, but is secure at the end of the exit delay, that sector will not be auto isolated, and will arm in a normal condition.

LOCATION 162: INVERTING THE ALARM VOLTAGE OUTPUT

If location 162 contains a "1", the alarm voltage on terminal 20 will be normally high and open circuit in an alarm condition. This allows this output to be used as the holdoff for a satellite siren. If location 162 contains a "0", the alarm voltage output will be normally open and switch to 12 volts in alarm. This output will turn off at the end of siren time regardless of the condition of location 162.

LOCATION 163: ENABLING OF THE L.E.D. EXTINGUISH FEATURE

Keypad LEDs (with the exception of the A.C. LED) will be extinguished after 60 seconds of keypad inactivity if a "1" is programmed in location 163. The LEDs will become illuminated immediately if any button on the keypad is pressed or an entry delay is initiated.

LOCATION 164: ENTERING THE NUMBER OF DIAL ATTEMPTS

Location 164 is used to enter the number of dial attempts (1 to 15 attempts) the communicator will try before ending the notification process. If this location contains an "8", the communicator will make 8 attempts. After the designated number of attempts have been made for the primary and back-up phone numbers with no kiss-off, the communicator will remain inactive for 8 minutes and then re-initiate the selected calling sequence.

LOCATION 165: INHIBIT RESTORE REPORTS FOR ISOLATED SECTORS

If a "1" is programmed in location 165, a restoral code will not be sent when an isolated sector is un-isolated. If this location contains a "0", and restores are enabled in location 146, and isolate reports are enabled in location 145, restores will be sent when a sector is un-isolated.

LOCATION 166: ENTRY-GUARD SECURITY FEATURE

If a "1" is programmed in location 166, an arm/disarm code must be entered to turn off Entry-Guard.

LOCATION 167: IMMEDIATE RESTORE BY SECTOR ENABLE

If a "1" is programmed in location 167, restoral signals will follow the restore condition and report restores immediately after the condition has unfaulted. A non-extended format will not send a message until all sectors or trouble conditions have restored. If location 167 contains a "0", the restore signal or signals will be reported only after siren timeout.

page 20

LOCATION 168: NO ARMING WITH A SECTOR ISOLATED

If a "1" is programmed in location 168, the DL-200 cannot be armed with any sector isolated. If programmed with a "0", up to 7 of the 8 burglary sectors can be isolated and the DL-200 can still be armed. Programming a "2" will inhibit isolation of 24 hour sectors. Programming a "3" will inhibit isolation of both burglary and 24 hour sectors.

LOCATION 169: MAKING THE LATCHED OUTPUT TIMED

If a "1" is programmed in location 169, the latched alarm outputs (terminals 17,18, and 19) will turn off at the end of siren time. If location 169 contains a "0", these outputs will remain on until an arm/disarm code is entered.

LOCATION 170-171: PROGRAMMING THE AUTOTEST REPORTING INTERVAL

Location 170-171 contain the number of days between autotest reports. Location 170 contains the "tens" digits, and location 171 contains the "ones" digit. Programming a "0" in location 170, and a "7" in location 171 will cause the DL-200 to report every seven days. Programming a "1" in location 170, and a "0" in location 171 will cause a test report every 10 days. Valid programming digits are "0"-"9" making reports possible every 1 to 99 days.

LOCATION 172-175: PROGRAMMING THE AUTOTEST REPORTING TIME

Location 172-175 contains the autotest reporting time. The time is entered in "24 hour time" with location 172 containing the hours, "tens" digit; location 173 containing the hours, "ones" digit; location 174 containing the minutes, "tens" digit; and location 175 containing the minutes, "ones" digit. Thus if the desired reporting time were 11:25 PM (23:25) location 172 would contain a "2" location 173 would contain a "3" location 174 would contain a "2" and location 175 would contain a "5". If the desired reporting time were midnight all locations would contain "0".

LOCATIONS 176-179: PROGRAMMING THE PROGRAM MODE ACCESS CODE

Locations 176-179 contain program mode access code. Location 176 contains the first digit of the code, and location 179 contains the fourth digit of the code. THE CODE MUST CONTAIN FOUR (4) DIGITS. This code can be used in the run mode to enter the program mode. To disable the program mode access code, program a "15" in location 176. Factory default is, program mode access code disabled.

LOCATION 180: QUICK ARM ENABLE

If a "1" is programmed in location 180, the system can be armed by pressing the [3] button on the keypad. Factory default is "0", Quick-Arm disabled. A 4-digit arm/disarm code is required to disarm.

LOCATION 181: DELAY TIME FOR ENTRY-GUARD SECTORS

Location 181 contains the number of 10 second delay increments for Entry-Guard sectors. The Entry-Guard delay can be programmed in 10 second increments from 10 to 150 seconds. ("1" = 10 seconds thru "15" = 150 seconds)

page 21

LOCATION 182-183: COMMUNICATOR CODE FOR AC POWER & LOW BATTERY RESTORAL

Locations 182-183 contain the communicator code that will be sent for restoral of AC power and/or low battery. If locations 182 and 183 contain a "0", no power restores will be reported. If a power restore code is programmed and an extended format is not selected, a power restore code will be sent when all of the previously reported conditions have restored. Location 182 contains the standard digit, and location 183 contains the extended digit. When using a 4+2 format, location 182 contains the second, or "ones" digit, and location 183 contains the first, or "tens" digit. If a non-extended format is selected, location 183 should contain the restore code and location 182 will be ignored.

LOCATIONS 184-187: RESERVED FOR FUTURE USE (DO NOT PROGRAM THESE LOCATIONS)

LOCATION 188-189: PROGRAMMING THE AUTOTEST INTERVAL ELAPSED DAYS

Location 188-189 contain the number of days elapsed between autotest reports. Location 188 contains the "tens" digits, and location 189 contains the "ones" digit. Programming a "0" in both locations will mean the test report will come in after the number of days programmed in locations 170-171 have elapsed.

LOCATION 190-193: PROGRAMMING THE CURRENT TIME

Location 190-193 contains the current time of day. The time is entered in "24 hour time" with location 190 containing the hours, "tens" digit; location 191 containing the hours, "ones" digit; location 192 containing the minutes, "tens" digit; and location 193 containing the minutes, "ones" digit. Thus if the current time were 11:25 PM (23:25) location 190 would contain a "2", location 191 would contain a "3", location 192 would contain a "2", and location 193 would contain a" "5. If the current time is midnight, all locations would contain "0".

LOCATIONS 194-195: PROGRAMMING TO REPORT DOWNLOADING COMPLETE

Locations 194-195 contain the communicator report sent each time a download session has been completed. The report will come in after the report has been made from a downloading session. Location 194 contains the standard code, and location 195 contains the extended code. When using a 4 + 2 format, the number programmed in location 194 is sent as the second, or "ones" digit, and the number programmed in location 195 is sent as the first, or "tens" digit. When using Ademco high speed, the report comes in as an autotest report. When using an extended format, the extended report will be sent if location 195 contains a number other than "0". If locations 194-195 are "0", this report is disabled.

LOCATION 196: NUMBER OF RINGS TO ANSWER DOWNLOAD CALL

Location 196 contains the number of rings the DL-200 must detect before it will answer the download call. The number of rings to answer is programmed in 2 ring increments from 2 to 30 rings ("1" = 2 rings through "15" = 30 rings). For example, programming a "4" in this location will cause the DL-200 to answer the download call on the eighth ring ("4" x 2 ring increments = 8 rings). If a "0" is programmed in this location, the DL-200 will not answer the download call. (SEE LOCATION 222: ANSWERING MACHINE DEFEAT.)

LOCATION 197: RESERVED FOR FUTURE USE (DO NOT PROGRAM THIS LOCATION)

page 22

THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING

LOCATIONS 198-205: CONTROL PANEL ACCESS CODE

Locations 198-205 contain the eight digit access code the DL-200 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 206-221: CALL BACK TELEPHONE NUMBER

The presence of a phone number in locations 206-221 will cause the control panel to dial back this number after a successful panel access code has been entered. If a telephone number is present, the control panel will hang up for approximately 36 seconds (insuring that the calling party has disconnected), then it will call back. If tone dialing is desired, program a "15" in the location where tone dialing should begin. If the entire number should be tone dialing, program a "15" in location 206. Four second delays can be obtained anywhere in the sequence by programming a "13" in the appropriate delay location.

LOCATION 222: ANSWERING MACHINE DEFEAT

Location 222 contains the answering machine defeat enable. To defeat an answering machine, two telephone calls must be made to the premises. Program location 222 with the number "1","2", or "3". On the first call, let the phone ring the same number of times (or less) as the number programmed in location 222. 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. To disable answering machine defeat, program a "0" in this location.

LOCATION 223: LOCAL PROGRAMMING LOCKOUT

Location 223 is used to disable local programming. If a "5" is programmed in this location, all local programming is locked out. Any other number in location 223 will allow local programming to take place.

LOCATION 224: CONTROL PANEL SHUTDOWN

Location 224 is used to shut down the control panel. Programming an "A" in this location will completely shutdown the control panel. The keypad will appear "dead", and the siren and communicator will not operate. WARNING: EXTREME CARE SHOULD BE TAKEN NOT TO INADVERTENTLY PROGRAM THIS LOCATION.

GENERAL OPERATING INSTRUCTIONS

Arming and Disarming the DL-200

To turn the security system on, close all protected doors and windows. The green "SECURE" LED will be on. Input a valid code to change the armed status. The following conditions will prevent the armed status from changing when a code is entered:

1. The SECURE LED is out and the system is currently disarmed (the keypad sounder will beep 3 times if green SECURE LED is not illuminated)

2. The siren is currently on for something other than a control sector this case silence the siren by entering a 4 digit code)

3. The keypad sounder is currently beeping for a Day sector (in this case silence the keypad sounder by entering a 4 digit code)

4. A sector is isolated and "No Arming With Isolate" mode has been selected in the EEPROM.

Isolating Sectors

To isolate any of the sectors 1-8, disarm the control and press [*],sector numbers to isolate, and [*]. If the control is in the disarmed state, the isolate condition of the sectors will toggle. If the DL-200 is armed with a sector sector isolated, the keypad sounder will beep during the exit time. The keypad sounder can be silenced by re-entering a valid 4 digit code.

Entering and Changing the Master Code (User Code #1)

When the DL-200 is first powered-up the master code is standard default code 1-2-3-4. To change the master code from the keypad in the run (standard) mode the following procedure must be followed. To change the master code from 1-2-3-4 to 5-6-7-8 the sequence is as follows: Press [*][1][#] (This enters programming for user code #1) then [1][2][3][4] (old master code) press [*][1][#], verifying that used code #1 is being changed, then new code [5][6][7][8]. Now end this sequence by pressing [*][1][#] to exit programming. So, the entire procedure would consist of pressing 17 keys, as follows:

[*][1][#] - [1][2][3][4] - [*][1][#] - [5][6][7][8] - [*][1][#]

(NOTE: IF THE MASTER CODE IS CHANGED, ALL AUXILIARY CODES ARE INVALIDATED !)

Entering and Changing an Auxiliary Code

In order to program auxiliary codes you must know the master code (user code #1). Each auxiliary code has its own unique number from 2-15 and must be referred to by its number. The auxiliary code is programmed much like changing the master code. For example: to program auxiliary code #2 the sequence would be as follows:

[*][2][#]   -   [1][2][3][4]   -   [*][2][#]   -   [ ][ ][ ][ ]   -   [*][2][#]
                                                   NEW CODE

Codes 3 through 15 would be entered by using the above sequence and replacing [2] with the appropriate number 3-15.

page 24

Removing Auxiliary Codes

To remove an auxiliary code simply program it to be the master code. For example to remove user code #2, the sequence would be as follows:

[*][2][#] - [1][2][3][4] - [*][2][#] - [1][2][3][4] - [*][2][#]

User code #2 has now been eliminated.

Note: If an attempt is made to change any of the codes from the keypad, and a invalid master code is entered or a [*] or [#] is made part of a code, the keypad sounder will beep 3 times and the keypad will return to the normal state. If the master code is changed, all auxiliary codes will be invalidated.

Activating Day Annunciator

This feature is available but must be individually enabled for each sector by programming the correct number in locations 152 to 159. To activate Day Annunciation, disarm the control and press the [1] button on the keypad. If no other keys are pressed within 5 seconds, the keypad sounder will beep and the Day Annunciator will become activated. Use the same procedure to remove this feature.

Activating Entry Guard

This feature must be individually enabled for each sector by programming the correct number in locations 152 to 159. Entry-Guard is activated by pressing the [2] button and waiting 5 seconds. If no other keys are pressed within 5 seconds, the system will become armed in the Entry-Guard mode. While in this mode, all designated Entry-Guard zones will cause the keypad sounder to sound for the period selected in location 181. All other sectors will be isolated. If an Entry-Guard sector is violated and a valid code is not entered before the delay period is over, the siren will be activated and the communicator will report to the base station. While in the Entry-Guard mode, the DL-200 can also be disarmed with the [2] button unless the siren has been activated or the Entry-Guard Security feature has been selected in location 166. After siren activation, a valid 4 digit user code must be entered to disarm the system and silence the siren.

Alarm History

Pressing the zero [0] button and waiting for 5 seconds, will cause the keypad to annunciate "Freeze Frame" alarm history. The keypad will annunciate the sectors which produced the last alarm. It annunciates by flashing the sectors that caused the alarm and lighting steady the sectors that were isolated when the alarm occurred. Alarm History is erased when the DL-200 is placed into the program mode.

Sector Recycling

All sectors on the DL-200 will reset independent of each other. When a sector has reset, it is then able to create another audible alarm. If the siren/audible has not recycled, a trip or a re-trip will extend the time for another recycle period unless programmed for limiting siren to once per sector in location 160.

SYSTEM 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 MAX
ALARM CURRENT AVAILABLE	1 Amp
(IF ABOVE DRIVER IS NOT USED)	
LOOP RESPONSE	Selectable @ 200ms or 500ms
OPERATING TEMPERATURE	32° to 120° F
KEYPAD DIMENSION	5.50" Wide
	4.25" High
	0.85" Deep
METAL ENCLOSURE DIMENSION	11.25" Wide
	11.25" 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
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