

GENESYS 824 R - INSTALLER PROGRAMMING SHEET

6/94 3440-0238
OPTEX MORSE INC. Sylmar, California

ZONE MEMORY LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	0 0	0 2	0 4	0 6	0 8	1 0	1 2	1 4	1 6	1 8	2 0	2 2	2 4	2 6	2 8	3 0	3 2	3 4	3 6	3 8	4 0	4 2	4 4	4 6

	Default	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
00 Zone Type - Loop Type *1	0 2																								
00A Loop Response	0 5																								
00B Alarm Code	0 0																								
00C Trouble Code	0 0																								
00D Bypass Code	0 0																								
00E Restore Code	0 0																								

00F ZONE FEATURES (YES = bar ON, NO = bar OFF)

1 AWAY TELEPHONE	YES																								
2 STAY AUDIBLE	YES																								
3 INST PULSE BELL	NO																								
4 BYPASS PGM 1	NO																								
5 ALARM PGM 2	NO																								
6 TRBL WALK TEST	YES																								
7 FIRE MONITOR	NO																								
8 BLANK SILENT DAY	NO																								

00G ZONE FEATURES (YES = bar ON, NO = bar OFF)

1 AWAY KEYPAD 1 AUDIBLE	YES																								
2 STAY KEYPAD 2 AUDIBLE	YES																								
3 INST KEYPAD 3 AUDIBLE	YES																								
4 BYPASS KEYPAD 4 AUDIBLE	YES																								
5 ALARM DISPLAY ARMED	NO																								
6 TRBL SHUNT ALLOWED	NO																								
7 FIRE BYPASS ALLOWED	YES																								
8 BLANK RADIO OUTPUT	NO																								

*1

Zone Type	Looptype	ARMING MODE	ENTRY/EXIT 1 and 2	PERIMETER INSTANT	INTERIOR #1	INTERIOR #2	INTERIOR #3
0 - ENTRY - EXIT 1	0 - NORMALLY OPEN	AWAY	Delayed Exit	Delayed Exit Instant	Delayed Exit Follower or Instant	Delayed Exit Follower or Instant	Delayed
1 - ENTRY - EXIT 2	1 - NORMALLY CLOSED	STAY	Delayed Exit	Delayed Exit Instant	Delayed Exit Follower or Instant	Bypassed	Delayed
2 - PERIMETER INST	2 - NORMALLY OPEN - NORMALLY CLOSED	INSTANT	Instant Always	Instant Always	Instant Always	Bypassed	Delayed
3 - INTERIOR 1	3 - N.O. - SUPERVISED W/EOL - reports trouble on break, alarm on short						
4 - INTERIOR 2	4 - N.C. - SUPERVISED W/EOL - reports trouble on short, alarm on open						
5 - INTERIOR 3							
6 - 24 HOUR							
7 - FIRE 24 HOUR							
8 - DAY CIRCUIT							

MEMORY LOCATION

48 RECEIVER TELEPHONE #1

	(1st & 2nd digit)	(3rd & 4th digit)	(5th & 6th digit)	(7th & 8th digit)	(9th & 10th digit)	(11th & 12th digit)	(13th & 14th digit)	(15th & 16th digit)
A	F	F	F	F	F	F	F	F
B	F	F	F	F	F	F	F	F
C	F	F	F	F	F	F	F	F
D	F	F	F	F	F	F	F	F
E	F	F	F	F	F	F	F	F
F	F	F	F	F	F	F	F	F
G	F	F	F	F	F	F	F	F

Default

TELEPHONE # CHART

- A = *
- B = #
- C = : (3 second pause)
- D = ; (wait for dial tone)

50 RECEIVER TELEPHONE #2

A	F	F
B	F	F
C	F	F
D	F	F
E	F	F
F	F	F
G	F	F

F	F
F	F
F	F
F	F
F	F
F	F
F	F

- 52 ACCOUNT NUMBER 1 (1st 2 digits)**
- A ACCOUNT NUMBER 1 (Last 2 digits)
- B ACCOUNT NUMBER 2
- C ACCOUNT NUMBER 2

0	0
0	0
0	0
0	0

- 53 RECEIVER #1 & #2 FORMATS *2**
- A ANTI JAM TIME
- B LINE TYPE - DIAL ATTEMPTS
- C DELAY BEFORE DIALING

1	1
1	5
0	5
0	0

00 - 99 seconds
0 = Rotary , 1-9 = Touchtone
00 - 99 seconds

54 DOWNLOAD TELEPHONE NUMBER

A	F	F
B	F	F
C	F	F
D	F	F
E	F	F
F	F	F
G	F	F

F	F
F	F
F	F
F	F
F	F
F	F
F	F

56 LOCAL DOWNLOAD PIN

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B DOWNLOAD - NUMBER OF RINGS

1	2
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00 - 99

C DOWNLOAD- CALLER-ID COMPATIBILITY

- 1 AWAY Disable Caller-id feature NO
- 2 STAY Not Used
- 3 INST Not Used
- 4 BYPASS Not Used
- 5 ALARM Not Used
- 6 TRBL Not Used
- 7 FIRE Not Used
- 8 BLANK Not Used

(YES = BAR ON
NO = BAR OFF)

- 57 ENTRY DELAY #1**
- A ENTRY DELAY #2
- B EXIT DELAY #1
- C EXIT DELAY #2

4	5
4	5
6	0
6	0

00 - 99 seconds
00 - 99 seconds
00 - 99 seconds
00 - 99 seconds

MEMORY LOCATION

- 58 PRE-ALARM DELAY**
- A BELL CUT OFF
- B PGM 1 CUT OFF
- C PGM 2 CUT OFF

Default

0	0
1	0
0	0
0	0

00 - 99 minutes
00 - 99 minutes
00 - 99 minutes
00 - 99 minutes

- 59 PGM 1 OUTPUT OPTIONS**
- A PGM 2 OUTPUT OPTIONS

9	9
9	9

- 60 OPEN REPORT CODE FOR USER NO. 1**
- A NO. 2
- B NO. 3
- C NO. 4

0	0
0	0
0	0
0	0

- 61 OPEN REPORT CODE FOR USER NO. 5**
- A NO. 6
- B NO. 7
- C NO. 8

0	0
0	0
0	0
0	0

- 62 OPEN REPORT CODE FOR USER NO. 9**
- A NO. 10
- B NO. 11
- C NO. 12

0	0
0	0
0	0
0	0

- 63 OPEN REPORT CODE FOR USER NO. 13**
- A NO. 14
- B NO. 15
- C NO. 16

0	0
0	0
0	0
0	0

- 64 CLOSE REPORT CODE FOR USER NO. 1**
- A NO. 2
- B NO. 3
- C NO. 4

0	0
0	0
0	0
0	0

- 65 CLOSE REPORT CODE FOR USER NO. 5**
- A NO. 6
- B NO. 7
- C NO. 8

0	0
0	0
0	0
0	0

- 66 CLOSE REPORT CODE FOR USER NO. 9**
- A NO. 10
- B NO. 11
- C NO. 12

0	0
0	0
0	0
0	0

- 67 CLOSE REPORT CODE FOR USER NO. 13**
- A NO. 14
- B NO. 15
- C NO. 16

0	0
0	0
0	0
0	0

*2

RECEIVER FORMATS	
0 = SIA	4 = 20PPS 4-1
1 = 10PPS 4-1	5 = 20PPS 4-1 EXTENDED
2 = 10PPS 4-1 EXTENDED	6 = 20PPS 4-2
3 = 10PPS 4-2	

MEMORY LOCATION

68	AUTO ARM REPORT CODE	Default	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
A	FAIL TO AUTO ARM REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
B	DURESS REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
C	AC FAIL REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
69	AC RESTORAL REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
A	LOW BATTERY VOLTAGE REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
B	BATTERY VOLTAGE RESTORAL REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
C	BOX TAMPER REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
70	BOX TAMPER RESTORE CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
A	BELL FAULT REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
B	AUXILIARY POWER FAULT REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
C	KEYPAD FIRE REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
71	KEYPAD EMERGENCY REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
A	KEYPAD PANIC REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
B	OPEN RESTORE REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
C	SMOKE DETECTOR LOOP REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
72	SMOKE TROUBLE REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
A	SMOKE RESTORE REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
B	BELL CIRCUIT RESTORE REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
C	GROUND SUPERVISION FAULT REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
73	EXPANDER ZONE DEFINITION *3		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
A	1 AWAY KEYPAD #1 ENABLED	YES	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	2 STAY KEYPAD #2 ENABLED	NO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	3 INST KEYPAD #3 ENABLED	NO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	4 BYPASS KEYPAD #4 ENABLED	NO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	5 ALARM KEYPAD #1 ASSIGNED TO PARTITION #1	NO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	6 TRBL KEYPAD #2 ASSIGNED TO PARTITION #1	NO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	7 FIRE KEYPAD #3 ASSIGNED TO PARTITION #1	NO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	8 BLANK KEYPAD #4 ASSIGNED TO PARTITION #1	NO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
B	BUSS FAULT REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
C	CHARGE TIME - HIGH & LOW		<input type="text" value="9"/>	<input type="text" value="2"/>	<input type="text"/>	<input type="text"/>
75	RECEIVER REPORTING FOR ALARM, RESTORES, OPEN & CLOSE *4		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
A	SYSTEM CODE CONFIGURATION		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
B	COMMUNICATION FAIL REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>
C	NUMBER OF RADIO ATTEMPTS		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>

*4
(Please see installer Manual for the details)

*3
Expander Zone Definition
00 - No zone expansion board on bus
01 - Board one installed and unit is G-EX (hardwire expander)
02 - Board one and two installed and both are G-EX
03-07 - Not used / Future use

MEMORY LOCATION

76	SYSTEM FEATURES	Default	<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	(YES = BAR ON NO = BAR OFF)
1	AWAY BELL TEST ENABLED		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	STAY BELL AUDIBLE ON BUS FAULT		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3	INST DIGITAL FIRST & RADIO SECOND		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
4	BYPASS G-FM INSTALLED		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
5	ALARM 50 HZ (NO = 60 HZ)		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6	TRBL TELCO FAULT MONITORING(TLM) ENABLE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7	FIRE SYSTEM TEST TO BE REPORTED ON TELECO		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
8	BLANK PARTITION SYSTEM		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
A	1 AWAY ENABLES KEYPAD PANIC		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	(YES = BAR ON NO = BAR OFF)
2	STAY ENABLES KEYPAD PANIC AUDIBLE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3	INST ENABLES KEYPAD FIRE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
4	BYPASS ENABLES KEYPAD FIRE AUDIBLE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
5	ALARM ENABLES KEYPAD EMERGENCY		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6	TRBL ENABLES KEYPAD EMERGENCY AUDIBLE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7	FIRE TERMINAL #7&10 AS KEY SWITCH (NO = TAMPER)		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
8	BLANK AC FAIL IS AUDIBLE ON KEYPAD		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
B	MONITOR AND WALK TEST MODE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	(YES = BAR ON NO = BAR OFF)
1	AWAY ACKNOWLEDGE REQUIRED FOR MONITOR MODE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	STAY BELL OUTPUT FOR MONITOR MODE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3	INST PGM #1 OUTPUT FOR MONITOR MODE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
4	BYPASS PGM #2 OUTPUT FOR MONITOR MODE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
5	ALARM BELL OUTPUT FOR WALK TEST MODE		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6	TRBL BELL OUTPUT FOR TLM FAULT IN ARMED CONDITION		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7	FIRE 2 WIRE SMOKE ALARM VERIFICATION		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
8	BLANK STEADY BELL OUTPUT FOR TWO WIRE SMOKE LOOP		<input type="text" value="NO"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
77	SELF TEST TIME INTERVAL (Hours)		<input type="text" value="9"/>	<input type="text" value="9"/>	<input type="text"/>	<input type="text"/>	00-23 (99 Disable)
A	SELF TEST TIME INTERVAL (Minutes)		<input type="text" value="9"/>	<input type="text" value="9"/>	<input type="text"/>	<input type="text"/>	00-59 (99 Disable)
B	SELF TEST TIME INTERVAL (Days)		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	01-99 (00 Disable)
C	SELF TEST REPORT CODE		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	
78	INSTALLERS PIN		<input type="text" value="9"/>	<input type="text" value="9"/>	<input type="text" value="9"/>	<input type="text" value="9"/>	<input type="text"/>
A	DURESS PIN		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
79	TOTAL CURRENT AVAILABLE IN mA (x 10 mA)		<input type="text" value="5"/>	<input type="text" value="8"/>	<input type="text"/>	<input type="text"/>	
A	BATTERY SIZE (x 100 mAh)		<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text"/>	<input type="text"/>	
B	1st TWO DIGITS OF PANEL ACCESS ID FOR RPU		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	
C	LAST TWO DIGITS OF PANEL ACCESS ID FOR RPU		<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	

NOTE: Please read installers Manual for Battery charging calculation

80-95 FUTURE USE

QUICK REFERENCE SHEET FOR THE BATTERY CALCULATIONS ON GENESYS 824 CONTROLS

LOCATION 73C		BATTERY CHARGE RATIO
TOTAL CURRENT DRAW IN MA	DATA ENTRY ON PANEL (HEX)	DATA ENTRY ON RPU
000 - 100	91	91
101 - 200	92	92
201 - 300	93	93
301 - 400	94	94
401 - 500	95	95
501 - 600	96	96
601 - 700	97	97
701 - 800	98	98
801 - 900	99	99

LOCATION 79		BATTERY CHARGE CURRENT
TOTAL CURRENT DRAW IN MA	DATA ENTRY ON PANEL (HEX)	DATA ENTRY ON RPU
150	55	85
200	50	80
250	4B	75
300	46	70
350	41	65
400	3C	60
450	37	55
500	32	50
550	2D	45
600	28	40
700	1E	30

LOCATION 79A		BATTERY AMP. HR. RATING
BATTERY SIZE	DATA ENTRY ON PANEL (HEX)	DATA ENTRY ON RPU
1.8 AMP. HR.	12	18
2.5 AMP. HR.	19	25
4.0 AMP. HR.	28	40
7.0 AMP. HR.	46	70
9.0 AMP. HR.	5A	90

NOTE: THESE ARE JUST EXAMPLES. PLEASE REFER TO THE MANUAL FOR YOUR EXACT DATA ENTRY