

PROGRAMMING SHEET
MDC-16ETX - MPC-32D

Default (factory programmed) settings are in parentheses.

1. DELAY TIMES

- 1. Exit (60 sec) _____ x 1 sec
- 2. Entrance (45 sec) _____ x 1 sec
- 3. Prealarm (0 sec) _____ x 1 sec
- 4. Self Test
 - 1. Conditional (No) _____
 - 2. Unconditional (No) _____
 - 3. Fixed Time
 - 1. Daily (No) _____
 - 2. Weekly
 - 1. Sunday (No) _____
 - 2. Monday (No) _____
 - 3. Tuesday (No) _____
 - 4. Wednesday (No) _____
 - 5. Thursday (No) _____
 - 6. Friday (No) _____
 - 7. Saturday (No) _____
 - 3. Monthly
 - 1. Day (0) _____
 - 2. Time (No) _____
- 5. A.C. Failure (15 min) _____ x 1 min

2. CUTOFF TIMES

- 1. Bell (15 min) _____ x 10 sec
- 2. Siren (15 min) _____ x 10 sec
- 3. Aux Relays
 - 1. Aux 1 (15 min) _____ x 10 sec
 - 2. Aux 2 (15 min) _____ x 10 sec
 - 3. Aux 3 (15 min) _____ x 10 sec
 - 4. Aux 4 (15 min) _____ x 10 sec
- 4. Not used
- 5. Listen-In (0 sec) _____ x 1 sec
- 6. Battery Test (0 sec) _____ x 1 sec
- 7. Time Clock
 - 1. Set Clock
 - Date _____
 - Time _____
 - 2. Daylite save (No) _____
 - 3. Display (No) _____
 - 4. Set By User (No) _____

3. ZONE CONFIG

(Refer to Page 5 and Chart I on Page 6)

4. REPORT CODES

1. Report Menu 1

- 1. Low Battery (No) _____
- 2. Battery Restore (No) _____
- 3. A.C. Fail (No) _____
- 4. AC Restore (No) _____
- 5. Box Tamper (No) _____
- 6. Tamper Restore (No) _____
- 7. Self Test (No) _____

2. Report Menu 2

- 1. Enter Program (No) _____
- 2. Exit Program (No) _____
- 3. Duress (No) _____
- 4. Comm Fail (No) _____
- 5. Bell Restore (No) _____
- 6. Open Restore (No) _____
- 7. On Prem Rpt Code (No) _____

3. Report Menu 3

- 1. Open Exception (No) _____
- 2. Close Exception (No) _____
- 3. Clock Change (No) _____
- 4. Perm Schedule change (No) _____
- 5. Temp Schedule change (No) _____
- 6. O/C Buffer Overflow (No) _____
- 7. O/C Buffer Full (No) _____

4. Report Menu 4

- 1. Fault Expander 1 (No) _____
- 2. Fault Expander 2 (No) _____
- 3. Fault Expander 3 (No) _____
- 4. Fault Expander 4 (No) _____

5. RECEIVER

1. Receiver 1

1. Telephone No. _____
2. Account Numbers
 1. Account 1-8 (0000) _____
 2. Account 9-16 (0000) _____
 3. Account 17-24 (0000) _____
 4. Account 25-32 (0000) _____
 5. Account 33-40 (0000) _____
 6. Account 41-48 (0000) _____
3. Not Used _____
4. Review Format (10 PPS 3-1) _____
5. Format (See Chart III) _____

2. Receiver 2

1. Telephone No. _____
2. Account Numbers
 1. Account 1-8 (0000) _____
 2. Account 9-16 (0000) _____
 3. Account 17-24 (0000) _____
 4. Account 25-32 (0000) _____
 5. Account 33-40 (0000) _____
 6. Account 41-48 (0000) _____
3. Not Used _____
4. Review Format (10 PPS 3-1) _____
5. Format (See Chart III) _____

3. Receiver 3

1. Telephone No. _____
2. Account Number (0000) _____
3. Review Format (10 PPS 3-1) _____
4. Format (See Chart III) _____

4. Anti Jam (5 sec) _____ x 1 sec
(Must be at least 5 seconds)

5. Resources

1. 2 Telco Lines (No) _____
2. Line Type (No) _____
3. Radio Attempts (No) _____
4. Radio Format (No) _____
5. Digital First (No) _____
6. Both Receivers (No) _____

6. Ground Start (No) _____

7. Radio Acct # (No) _____

6. PIN NUMBERS

1. Review PIN *
 2. Installer PIN (9999) _____
 3. All Open Code (No) _____
 4. All Close Code (No) _____
 5. User Open Code (enter User #) _____
 6. User Close Code (enter User #) _____
- | User # | Open Code | Close Code |
|--------|-----------|------------|
| 1 | _____ | _____ |
| 2 | _____ | _____ |
| 3 | _____ | _____ |
| 4 | _____ | _____ |
| 5 | _____ | _____ |
| 6 | _____ | _____ |
| 7 | _____ | _____ |
| 8 | _____ | _____ |
| 9 | _____ | _____ |
| 10 | _____ | _____ |
| 11 | _____ | _____ |
| 12 | _____ | _____ |
| 13 | _____ | _____ |
| 14 | _____ | _____ |
| 15 | _____ | _____ |
| 16 | _____ | _____ |
| 17 | _____ | _____ |
| 18 | _____ | _____ |
| 19 | _____ | _____ |
| 20 | _____ | _____ |
| 21 | _____ | _____ |
| 22 | _____ | _____ |
| 23 | _____ | _____ |
| 24 | _____ | _____ |
| 25 | _____ | _____ |
| 26 | _____ | _____ |
| 27 | _____ | _____ |
| 28 | _____ | _____ |
| 29 | _____ | _____ |
| 30 | _____ | _____ |
| 31 | _____ | _____ |
| 32 | _____ | _____ |

7. Special PIN

1. Special PIN _____
2. Aux Relay 1 (No) _____
3. Aux Relay 2 (No) _____

* No programming required.

7. SUPERVISORY

- | | | |
|-------------------|------|-------|
| 1. Supervised | (No) | _____ |
| 2. Close Ringback | (No) | _____ |
| 3. Open Ringback | (No) | _____ |
| 4. P.C. Ringback | (No) | _____ |
| 5. Siren Ringback | (No) | _____ |
| 6. Bell Ringback | (No) | _____ |
| 7. Aux 1 Ringback | (No) | _____ |
| 8. Aux 2 Ringback | (No) | _____ |
| 9. Bell Test | (No) | _____ |

8. EMERGENCY

- | | | |
|-----------------|------|-------|
| 1. Report Code | (No) | _____ |
| 2. Steady Bell | (No) | _____ |
| 3. Pulse Bell | (No) | _____ |
| 4. Steady Siren | (No) | _____ |
| 5. Pulse Siren | (No) | _____ |
| 6. Aux Relay 1 | (No) | _____ |
| 7. Aux Relay 2 | (No) | _____ |

9. OPTIONS

- | | | |
|--------------------|-------|-------|
| 1. View Program | (No) | _____ |
| 2. Print Program * | | _____ |
| 3. Mini Loader | | _____ |
| 4. Monitor Mode | | _____ |
| 1. Display Zone | (No) | _____ |
| 2. Acknowledge | (No) | _____ |
| 3. Bell | (No) | _____ |
| 4. Siren | (No) | _____ |
| 5. AUX 1 Relay | (No) | _____ |
| 6. AUX 2 Relay | (No) | _____ |
| 7. Scroll Open Z | (No) | _____ |
| 8. Scroll Bypass Z | (No) | _____ |
| 5. Prompt Menus | | _____ |
| 1. (System Ready) | | _____ |
| 2. (Zones Normal) | | _____ |
| 6. C.S. Download | | _____ |
| 1. Telephone | | _____ |
| 2. Rings | (12) | _____ |
| 3. Local Download | (No) | _____ |
| 4. Download PIN | | _____ |
| 5. RDM | (No) | _____ |
| 7. U.L. Fire | (No) | _____ |
| 8. Auxiliary Arm | | _____ |
| 1. Partial Arm | (No) | _____ |
| 2. Group Arm/User | (No) | _____ |
| 3. Total Groups | (0) | _____ |
| 4. Group Number** | | _____ |
| 1. Description | | _____ |
| 2. Zones 1-48 | (Yes) | _____ |
| 3. Open Code | (No) | _____ |
| 4. Close Code | (No) | _____ |
| 5. Common Group | (No) | _____ |
| 9. Scheduling | | _____ |
| 1. Types | | _____ |
| 1. O/C Windows | (No) | _____ |
| 2. Closed w/Bypass | (No) | _____ |
| 3. Closed w/Alarm | (No) | _____ |
| 4. Schedule 1 | (No) | _____ |
| 5. Schedule 2 | (No) | _____ |
| 2. User Set | (No) | _____ |

* No programming required.

** Refer to Matrix on Chart II to set up Group Configuration.

9. Options - continued:

3. Window System

1. Schedule 1

- 1. Open Window (0) _____ x 10 Min.
- 2. Close Window (0) _____ x 10 Min.
- 3. Daily O/C Times

1. Sunday

- 1. Open Start (No) _____
- 2. Close Start (No) _____

2. Monday

- 1. Open Start (No) _____
- 2. Close Start (No) _____

3. Tuesday

- 1. Open Start (No) _____
- 2. Close Start (No) _____

4. Wednesday

- 1. Open Start (No) _____
- 2. Close Start (No) _____

5. Thursday

- 1. Open Start (No) _____
- 2. Close Start (No) _____

6. Friday

- 1. Open Start (No) _____
- 2. Close Start (No) _____

7. Saturday

- 1. Open Start (No) _____
- 2. Close Start (No) _____

8. Copy Days

(See Programming Manual,
Programing Procedure, Page 15)

- 4. Pre-Close Warning (No) _____
- 5. Auto Arming (No) _____
- 6. Auto Arm Code (No) _____

2. Schedule 2

1. Daily O/C Times

1. Sunday

- 1. Open (No) _____
- 2. Close (No) _____

2. Monday

- 1. Open (No) _____
- 2. Close (No) _____

3. Tuesday

- 1. Open (No) _____
- 2. Close (No) _____

4. Wednesday

- 1. Open (No) _____
- 2. Close (No) _____

5. Thursday

- 1. Open (No) _____
- 2. Close (No) _____

6. Friday

- 1. Open (No) _____
- 2. Close (No) _____

7. Saturday

- 1. Open (No) _____
- 2. Close (No) _____

8. Copy Days

(See Programming Manual
Programing Procedure, Page 15)

3. Holiday Schedule

1. Add Holiday

- 1. Date _____
- 2. Days (0) _____

2. Delete Holiday

- 1. Date _____
- 2. Days (0) _____

4. Temp Schedule 1

- 1. Date _____
- 2. Open Start (No) _____
- 3. Close Start (No) _____

5. Temp Schedule 2

- 1. Date _____
- 2. Open (No) _____
- 3. Close (No) _____

4. History

- 1. Print *
- 2. View *
- 3. User View
 - 1. All History (No) _____
 - 2. O/C History (No) _____
 - 3. Alarms (No) _____

* No programming required.

ZONE CONFIGURATION CHART - MDC-16ETX- MPC-32D

Default (factory programmed) settings are in parentheses.

3. ZONE CONFIGURATION CHART

1. Expander Boards

2. Zone Config

1. Alarm Output

- | | | |
|------------------|-------|-------|
| 1. Telephone | (Yes) | _____ |
| 2. Radio | (No) | _____ |
| 3. Steady Bell | (Yes) | _____ |
| 4. Pulsing Bell | (No) | _____ |
| 5. Steady Siren | (No) | _____ |
| 6. Pulsing Siren | (No) | _____ |
| 7. Aux Relays | | |
| 1. Aux Relay 1 | (No) | _____ |
| 2. Aux Relay 2 | (No) | _____ |
| 3. Aux Relay 3 | (No) | _____ |
| 4. Aux Relay 4 | (No) | _____ |
| 8. Not used | | |

2. Loop Type

(3) _____

- | | |
|-------------------|--|
| 1. N.O. No Trbl | |
| 2. N.C. No Trbl | |
| 3. Open or Close | |
| 4. N.O. Trbl Brk | |
| 5. N.C. Trbl Shrt | |

3. Zone Type

(1) _____

- | | |
|-------------------|--|
| 1. Perimeter Inst | |
| 2. Perimeter Dly | |
| 3. Interior Inst | |
| 4. Interior Dly | |
| 5. 24 Hour | |
| 6. Day Circuit | |

4. Zone Features

- | | | |
|---------------------|----------|-----------------|
| 1. Bypass | (Yes) | _____ |
| 2. Loop Response | (100 ms) | _____ |
| 3. Entrance Delay | (45 sec) | _____ |
| 4. Display Armed | (No) | _____ |
| 5. Display Unarmed | (No) | _____ |
| 6. Monitor Mode | (No) | _____ |
| 7. Number of Alarms | (0) | _____ |
| 8. Time Period | (0) | _____ x 10 min. |

5. Report Codes

- | | | |
|------------|------|-------|
| 1. Alarm | (No) | _____ |
| 2. Restore | (No) | _____ |
| 3. Cancel | (No) | _____ |
| 4. Trouble | (No) | _____ |
| 5. Bypass | (No) | _____ |

6. Copy Zone

(see Programming Manual Page 23)

7. Name That Zone

(see Programming Manual Page 23)

CHART I -- ZONE CONFIGURATION PROGRAMS

Use Chart below to enter the Zone Configuration program data for all 16 zones

ZONE #	1 ALARM OUTPUT * (Yes only)							(7) RELAYS 1 2 3 4	2 LOOP TYPE	3 ZONE TYPE	4 ZONE FEATURES **								5 REPORT CODES ***					7 NAME THAT ZONE ****
	1	2	3	4	5	6	7				1	2	3	4	5	6	7	8	1	2	3	4	5	
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

* Indicate (by number) only those functions, defaulted as "NO", which will be programmed "YES".

** All Loop Response Times in milliseconds, all Entrance Delay Times in seconds

*** Indicate (by code) only those functions that will transmit to the central station.

**** Maximum 16 characters including spaces.

ZONE #	1 ALARM OUTPUT * (Yes only)							(7) RELAYS =	2 LOOP TYPE	3 ZONE TYPE	4 ZONE FEATURES **								5 REPORT CODES ***					7 NAME THAT ZONE ****			
	1	2	3	4	5	6	7				1	2	3	4	5	6	7	8	1	2	3	4	5				
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											

ZONE #	1 ALARM OUTPUT * (Yes only)							(7) RELAYS =	2 LOOP TYPE	3 ZONE TYPE	4 ZONE FEATURES **								5 REPORT CODES ***					7 NAME THAT ZONE ****			
	1	2	3	4	5	6	7				1	2	3	4	5	6	7	8	1	2	3	4	5				
25																											
26																											
27																											
28																											
29																											
30																											
31																											
32																											

CHART II

GROUP CONFIGURATION FOR PARTIAL ARM AND GROUP ARM/USER

NOTE: The Partial Arm and Group Arm/User program is designed for single subscriber premises partitioning. It is not recommended for multiple subscriber installation.

Prior to actual programming use the Chart below, and on following page, to set up and identify the zone for each group.

1. Select Group Number.
2. Assign zones to Group by placing "Y" in corresponding zone box. (0 = N, 1 = Y)
3. Assign description (name) for Group with maximum 16 characters including spaces.
4. Assign Open and Close Code (if used) for Group.

		Z O N E S																DESCRIPTION	OPEN CODE	CLOSE CODE	COMMON
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
G R O U P S	1																				
	2																				
	3																				
	4																				
	5																				
	6																				
	7																				
	8																				

If Group Arm/User is selected:

- A. With entire system disarmed, only 24 hour violated zones (if programmed for display) will display.
- B. With any group in the system armed, no violated zones will display.
- C. Closing signals begin transmission after exit delay time has expired.
- D. Only one group can be programmed as a "Common" group.

GROUP CONFIGURATION FOR PARTIAL ARM AND GROUP ARM/USER, continued:

Z O N E S																	DESCRIPTION	OPEN CODE	CLOSE CODE	COMMON
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
G R O U P S	1																			
	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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		Z O N E S																DESCRIPTION	OPEN CODE	CLOSE CODE	COMMON
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48				
G R O U P S	1																				
	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CHART III
FOR
PROGRAMMING RECEIVER FORMAT

Select the format that can be accepted by your receiver.
Check with the receiver manufacturer if you have any
questions.

1. Basic

- 1 10 PPS 3-1 (Factory Set)
- 2 10 PPS 3-1 Ext.
- 3 10 PPS 4-1
- 4 10 PPS 4-2
- 5 20 PPS 3-1
- 6 20 PPS 3-1 Ext.
- 7 20 PPS 4-1
- 8 20 PPS 4-2

2. Advanced

- 1 Varitech 4-1
- 2 Varitech 4-2
- 3 40 PPS W/P
- 4 40 PPS W/P Ext.
- 5 BFSK