

**INSTALLATION INSTRUCTIONS  
 MODEL MZEM-3  
 3 ZONE EXPANSION MODULE**

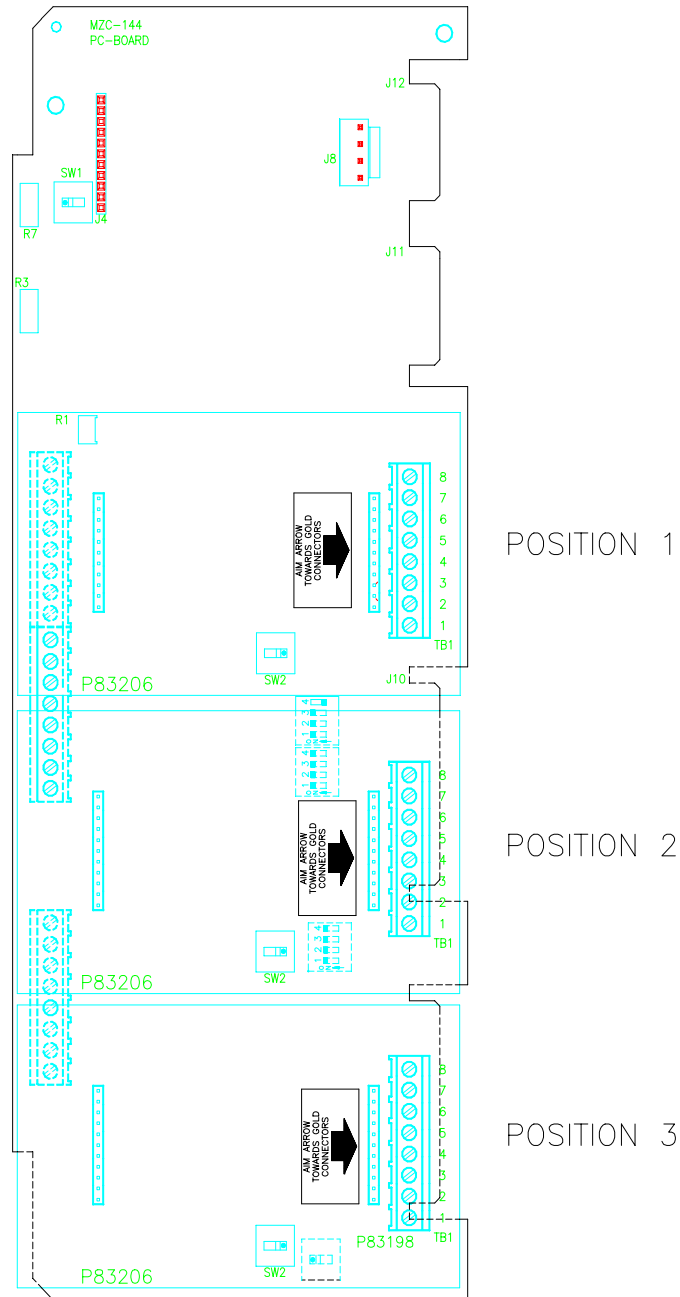
**NOTE:** All **CAUTIONS** and **WARNINGS** are identified by the symbol .

**APPLICATION INFORMATION:**

The MZEM-3 is a plug-in zone expansion module designed to expand the zone paging capability of the MZC-144 modular zone control. The MZEM-3 provides a fixed zone group consisting of 3 paging zone outputs and one background music input.

Figure 1 shows the MZC-144 PC Board, and illustrates the 3 positions available for the MZEM-3 expansion modules. Chart 1 and 2 show the Zone Page Dial and Fixed Group Page Access Codes.

**Figure 1: MZC-144 Board and MZEM-3 Positions**



**Chart 1: Single Zone Paging Dial Access Codes**

|            | Master | Slave1 | Slave2 | Slave3 | Slave4 | Slave5 | Slave6 | Slave7 | Slave8  | Slave9  | Slave10 | Slave11 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| Main Board | 1/001  | 13/013 | 25/025 | 37/037 | 49/049 | 61/061 | 73/073 | 85/085 | 97/097  | 109/109 | 121/121 | 133/133 |
|            | 2/002  | 14/014 | 26/026 | 38/038 | 50/050 | 62/062 | 74/074 | 86/086 | 98/098  | 110/110 | 122/122 | 134/134 |
|            | 3/003  | 15/015 | 27/027 | 39/039 | 51/051 | 63/063 | 75/075 | 87/087 | 99/099  | 111/111 | 123/123 | 135/135 |
| Position 1 | 4/004  | 16/016 | 28/028 | 40/040 | 52/052 | 64/064 | 76/076 | 88/088 | 100/100 | 112/112 | 124/124 | 136/136 |
|            | 5/005  | 17/017 | 29/029 | 41/041 | 53/053 | 65/065 | 77/077 | 89/089 | 101/101 | 113/113 | 125/125 | 137/137 |
|            | 6/006  | 18/018 | 30/030 | 42/042 | 54/054 | 66/066 | 78/078 | 90/090 | 102/102 | 114/114 | 126/126 | 138/138 |
| Position 2 | 7/007  | 19/019 | 31/031 | 43/043 | 55/055 | 67/067 | 79/079 | 91/091 | 103/103 | 115/115 | 127/127 | 139/139 |
|            | 8/008  | 20/020 | 32/032 | 44/044 | 56/056 | 68/068 | 80/080 | 92/092 | 104/104 | 116/116 | 128/128 | 140/140 |
|            | 9/009  | 21/021 | 33/033 | 45/045 | 57/057 | 69/069 | 81/081 | 93/093 | 105/105 | 117/117 | 129/129 | 141/141 |
| Position 3 | 10/010 | 22/022 | 34/034 | 46/046 | 58/058 | 70/070 | 82/082 | 94/094 | 106/106 | 118/118 | 130/130 | 142/142 |
|            | 11/011 | 23/023 | 35/035 | 47/047 | 59/059 | 71/071 | 83/083 | 95/095 | 107/107 | 119/119 | 131/131 | 143/143 |
|            | 12/012 | 24/024 | 36/036 | 48/048 | 60/060 | 72/072 | 84/084 | 96/096 | 108/108 | 120/120 | 132/132 | 144/144 |

Legend: Zones/Access Code

**Chart 2: Fixed Group Paging Dial Access Codes**

|            | Master    | Slave1    | Slave2    | Slave3    | Slave4    | Slave5    | Slave6    | Slave7    | Slave8      | Slave9      | Slave10     | Slave11     |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|
| Main Board | 1-3/201   | 13-15/205 | 25-27/209 | 37-39/213 | 49-51/217 | 61-63/221 | 73-75/225 | 85-87/229 | 97-99/233   | 109-111/237 | 121-123/241 | 133-135/245 |
| Position 1 | 4-6/202   | 16-18/206 | 28-30/210 | 40-42/214 | 52-54/218 | 64-66/222 | 76-78/226 | 88-90/230 | 100-102/234 | 112-114/238 | 124-126/242 | 136-138/246 |
| Position 2 | 7-9/203   | 19-21/207 | 31-33/211 | 43-45/215 | 55-57/219 | 67-69/223 | 79-81/227 | 91-93/231 | 103-105/235 | 115-117/239 | 127-129/243 | 139-141/247 |
| Position 3 | 10-12/204 | 22-24/208 | 34-36/212 | 46-48/216 | 58-60/220 | 70-72/224 | 82-84/228 | 94-96/232 | 106-108/236 | 118-120/240 | 130-132/244 | 142-144/248 |

Legend: Zones/Access Code

**INSTALLATION AND PROGRAMMING INSTRUCTIONS:**

**NOTE:** For additional information, see MZC-144 Installation Instructions (P83259).

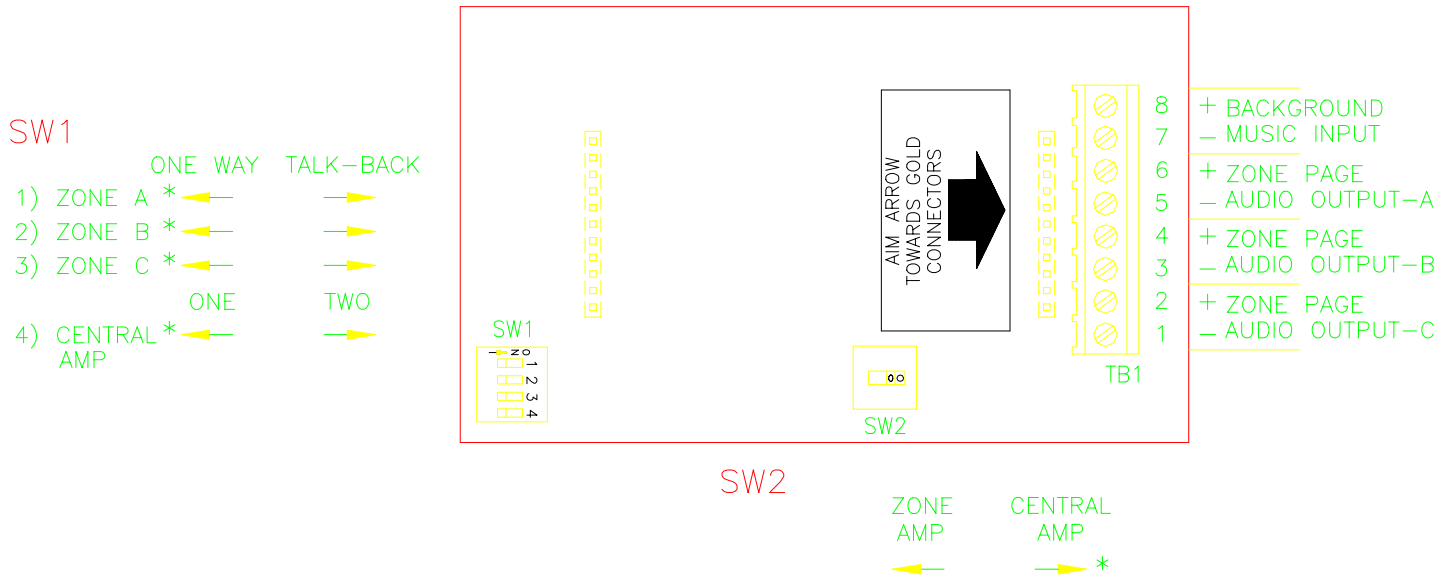
1. Remove MZC-144 cover.
2. Disconnect power.
3. Plug MZEM-3 into its selected position (See Figure 1).

**CAUTION:** Plugging the MZEM-3 in backwards can result in improper operation and failure of the unit.

4. Set 2 configuration switches in accordance with Figure 2 or the instructions on inside of MZC-144 cover.
5. Install zone paging output, and background music input wires as required (See Figure 2).
6. Apply power to unit.
7. Install MZC-144 cover.

**CAUTION:** These devices are not intended for use in hazardous locations as defined by the National Electrical Code (NEC).

**Figure 2: Installation and Configuration Instructions**



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