wheelock 273 Branchport Avenue Long Branch, N.J. 07740 (908) 222-6880

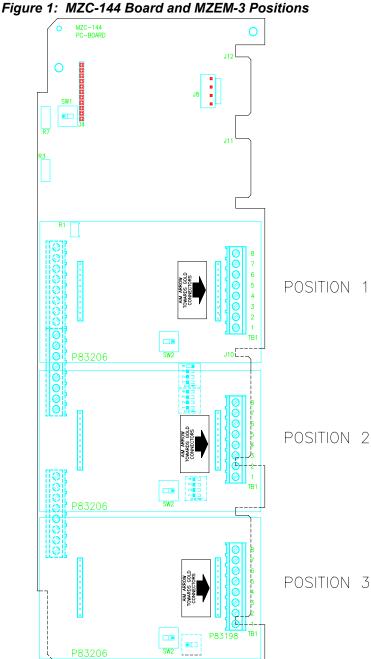
INSTALLATION INSTRUCTIONS **MODEL MZEM-3 3 ZONE EXPANSION MODULE**

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.



P83272 A Sheet 1 of 4

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).

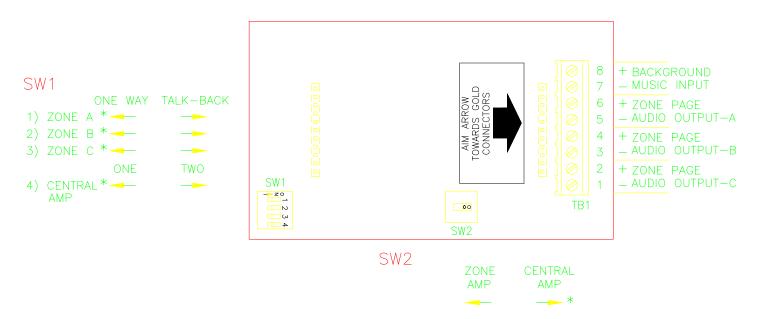
- 1. Remove MZC-144 cover.
- 2. Disconnect power.
- 3. Plug MZEM-3 into its selected position (See Figure 1).

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



Limited Warranty

Wheelock products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with these instructions at the time of installation and at least twice a year or more often and in accordance with local,

state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), Underwriters' Laboratories of Canada (ULC), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ). Wheelock products when properly specified, applied, installed, operated, maintained and operationally tested as provided above are warranted against mechanical and electrical defects for a period of three years from date of manufacture (as determined by date code). Correction of defects by repair or replacement shall be at Wheelock's sole discretion and shall constitute fulfillment of all obligations under this warranty. THE FOREGOING LIMITED WARRANTY SHALL IMMEDIATELY TERMINATE IN THE EVENT ANY PART NOT FURNISHED BY WHEELOCK IS INSTALLED IN THE PRODUCT. THE FOREGOING LIMITED WARRANTY SPECIFICALLY EXCLUDES ANY SOFTWARE REQUIRED FOR THE OPERATION OF OR INCLUDED IN A PRODUCT. WHEELOCK MAKES NO REPRESENTATION OR WARRANTY OF ANY OTHER KIND, EXPRESS, IMPLIED OR STATUTORY WHETHER AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER.

USERS ARE SOLELY RESPONSIBLE FOR DETERMINING WHETHER A PRODUCT IS SUITABLE FOR THE USER'S PURPOSES, OR WHETHER IT WILL ACHIEVE THE USER'S INTENDED RESULTS. THERE IS NO WARRANTY AGAINST DAMAGE RESULTING FROM MISAPPLICATION, IMPROPER SPECIFICATION, ABUSE, ACCIDENT OR OTHER OPERATING CONDITIONS BEYOND WHEELOCK'S CONTROL.

SOME WHEELOCK PRODUCTS CONTAIN SOFTWARE. WITH RESPECT TO THOSE PRODUCTS, WHEELOCK DOES NOT WARRANTY THAT THE OPERATION OF THE SOFTWARE WILL BE UNINTERRUPTED OR ERROR-FREE OR THAT THE SOFTWARE WILL MEET ANY OTHER STANDARD OF PERFORMANCE, OR THAT THE FUNCTIONS OR PERFORMANCE OF THE SOFTWARE WILL MEET THE USER'S REQUIREMENTS. WHEELOCK SHALL NOT BE LIABLE FOR ANY DELAYS, BREAKDOWNS, INTERRUPTIONS, LOSS, DESTRUCTION, ALTERATION, OR OTHER PROBLEMS IN THE USE OF A PRODUCT ARISING OUT OF OR CAUSED BY THE SOFTWARE.

THE LIABILITY OF WHEELOCK ARISING OUT OF THE SUPPLYING OF A PRODUCT, OR ITS USE, WHETHER ON WARRANTIES, NEGLIGENCE, OR OTHERWISE, SHALL NOT IN ANY CASE EXCEED THE COST OF CORRECTING DEFECTS AS STATED IN THE LIMITED WARRANTY AND UPON EXPIRATION OF THE WARRANTY PERIOD ALL SUCH LIABILITY SHALL TERMINATE. WHEELOCK IS NOT LIABLE FOR LABOR COSTS INCURRED IN REMOVAL, REINSTALLATION OR REPAIR OF THE PRODUCT BY ANYONE OTHER THAN WHEELOCK OR FOR DAMAGE OF ANY TYPE WHATSOEVER, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFIT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE FOREGOING SHALL CONSTITUTE THE SOLE REMEDY OF THE PURCHASER AND THE EXCLUSIVE LIABILITY OF WHEELOCK.

IN NO CASE WILL WHEELOCK'S LIABILITY EXCEED THE PURCHASE PRICE PAID FOR A PRODUCT.

Limitation of Liability

WHEELOCK'S LIABILITY ON ANY CLAIM OF ANY KIND, INCLUDING NEGLIGENCE AND BREACH OF WARRANTY, FOR ANY LOSS OR DAMAGE RESULTING FROM, ARISING OUT OF, OR CONNECTED WITH THIS CONTRACT, OR FROM THE MANUFACTURE, SALE, DELIVERY, RESALE, REPAIR OR USE OF ANY PRODUCT COVERED BY THIS ORDER SHALL BE LIMITED TO THE PRICE APPLICABLE TO THE PRODUCT OR PART THEREOF WHICH GIVES RISE TO THE CLAIM. WHEELOCK'S LIABILITY ON ANY CLAIM OF ANY KIND SHALL CEASE IMMEDIATELY UPON THE INSTALLATION IN THE PRODUCT OF ANY PART NOT FURNISHED BY WHEELOCK. IN NO EVENT SHALL WHEELOCK BE LIABLE FOR ANY CLAIM OF ANY KIND UNLESS IT IS PROVEN THAT OUR PRODUCT WAS A DIRECT CAUSE OF SUCH CLAIM. FURTHER, IN NO EVENT, INCLUDING IN THE CASE OF A CLAIM OF NEGLIGENCE, SHALL WHEELOCK BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE PRECEDING LIMITATION MAY NOT APPLY TO ALL PURCHASERS.

5/96