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**INSTALLATION INSTRUCTIONS
MODEL MZC-RM
3 ZONE RELAY MODULE**

Use this product according to this instruction manual. Please keep this instruction manual for future reference.

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

APPLICATION INFORMATION:

The MZC-RM is a plug-in relay module designed to allow relay control through the MZC-144 Modular Zone Control. The MZC-RM provides a fixed zone group consisting of three relay outputs, two Form C and one selectable (normally open or normally closed) dry contacts. Each of the relay outputs is capable of providing a dry contact, rated at 24VDC at 500mA (resistive load). **This device is not intended for high power switching applications. This device is also not intended for security applications.** The MZC-RM is capable of two different modes of operation, non-latching or latching.

The MZC-RM can be plugged into the MZC-144 at three positions. Figure 1 shows the MZC-144 PC Board, and the 3 positions where the MZC-RM expansion module may be inserted. Chart 1 shows the single zone dial access codes for activation of the MZC-144 and the three positions available to the MZC-RM.

The MZC-144 activates one relay at a time on the MZC-RM. This is accomplished through the use of the single zone dialing access codes set forth in Chart 1. Through the use of logical zone groups, the MZC-144 can activate multiple relays during activation of the MZC-RM. Logical zone groups, which can be up to five entries, are defined by the user. When Logical Zone Groups are programmed for use by the MZC-RM, only single zone access codes may be used. (For additional information on programming logical zone groups, see the MZC-144 Installation Instructions (P83259).) Please note the use of fixed zone group paging and/or an All Call page on the MZC-144 will not be acknowledged by the MZC-RM.

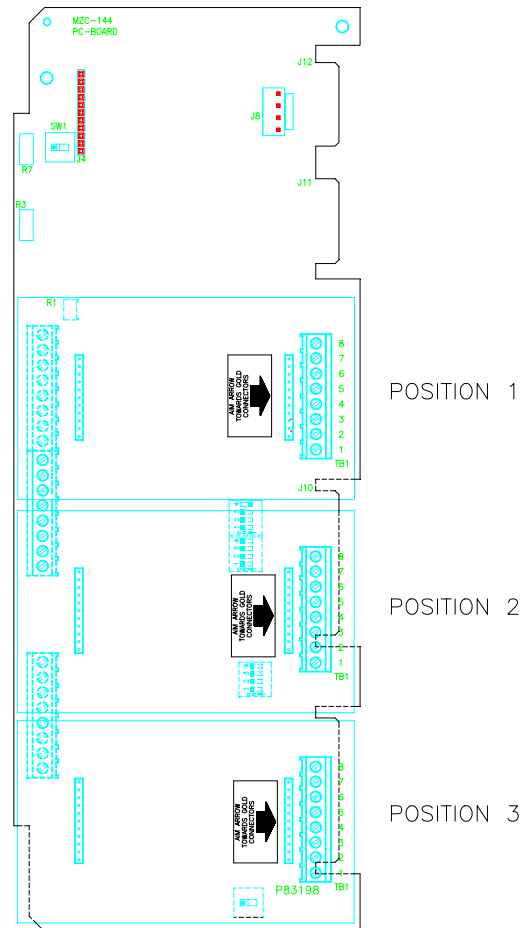


Figure 1: MZC-144 Board and MZC-RM Positions

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Chart 1: Single Zone Dial Access Codes

Main* Board	Master	Slave1	Slave2	Slave3	Slave4	Slave5
	1/001	13/013	25/025	37/037	49/049	61/061
	2/002	14/014	26/026	38/038	50/050	62/062
Position 1	3/003	15/015	27/027	39/039	51/051	63/063
	4/004	16/016	28/028	40/040	52/052	64/064
	5/005	17/017	29/029	41/041	53/053	65/065
Position 2	6/006	18/018	30/030	42/042	54/054	66/066
	7/007	19/019	31/031	43/043	55/055	67/067
	8/008	20/020	32/032	44/044	56/056	68/068
Position 3	9/009	21/021	33/033	45/045	57/057	69/069
	10/010	22/022	34/034	46/046	58/058	70/070
	11/011	23/023	35/035	47/047	59/059	71/071
	12/012	24/024	36/036	48/048	60/060	72/072

Chart 2: Single Zone Dial Access Codes (Continued)						
Main* Board	Slave6	Slave7	Slave8	Slave9	Slave10	Slave11
	73/073	85/085	97/097	109/109	121/121	133/133
	74/074	86/086	98/098	110/110	122/122	134/134
Position 1	75/075	87/087	99/099	111/111	123/123	135/135
	76/076	88/088	100/100	112/112	124/124	136/136
	77/077	89/089	101/101	113/113	125/125	137/137
Position 2	78/078	90/090	102/102	114/114	126/126	138/138
	79/079	91/091	103/103	115/115	127/127	139/139
	80/080	92/092	104/104	116/116	128/128	140/140
Position 3	81/081	93/093	105/105	117/117	129/129	141/141
	82/082	94/094	106/106	118/118	130/130	142/142
	83/083	95/095	107/107	119/119	131/131	143/143
	84/084	96/096	108/108	120/120	132/132	144/144

Legend: Zones/Access Code

Example: 7/007 = Zone 7, dial access code 007

*The MZC-RM does not use these single zone dial access codes.

INSTALLATION INSTRUCTIONS:

1. Remove MZC-144 cover.
2. Disconnect power.
3. Select the position which the MZC-RM is to be plugged into from Chart 1 (e.g.: if you want the MZC-RM to be zones 7, 8 or 9 on the MZC-144, the MZC-RM would be installed in Position 2 on the MZC-144 board).
4. Plug MZC-RM into its selected position (See Figure 1).

CAUTION: Plugging the MZC-RM in backwards can result in improper operation and failure of the unit.

5. Set 2 configuration jumpers in accordance with Figure 2.
6. Connect relay outputs as required (See Figure 2).
7. Re-apply power to unit.
8. Re-install MZC-144 cover.

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

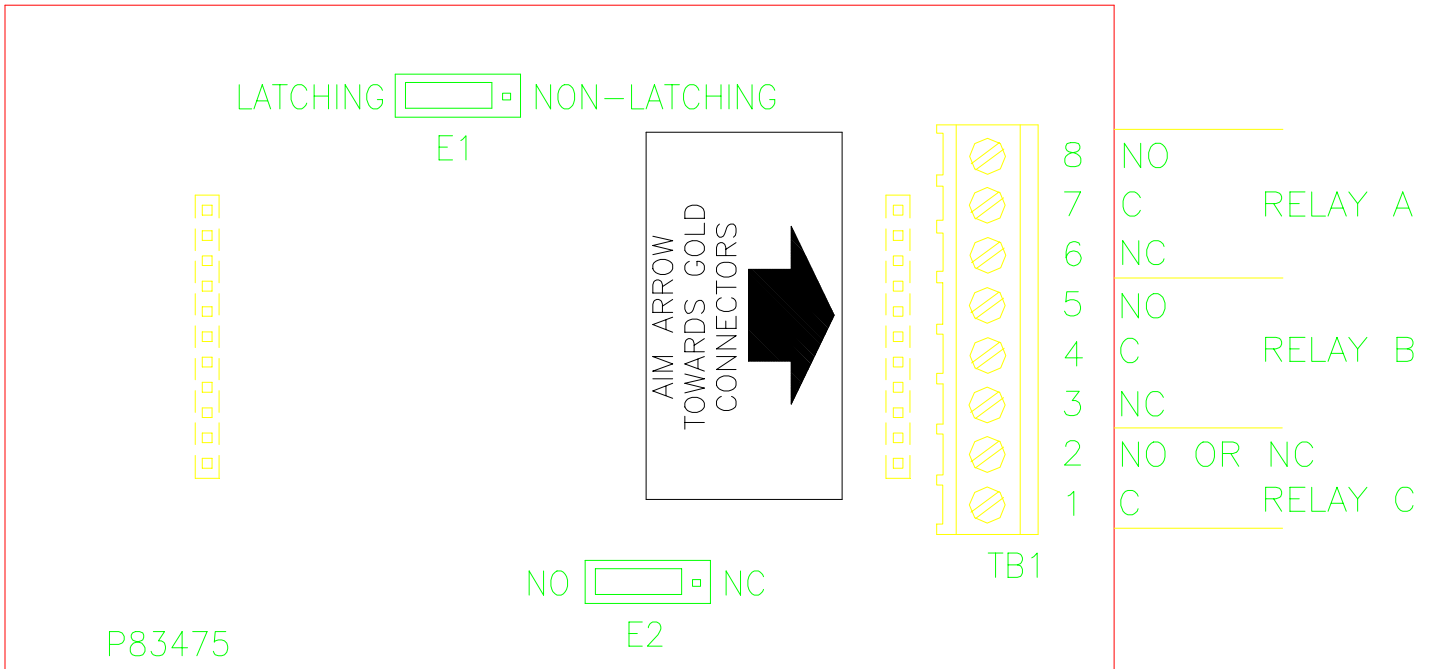


Figure 2: Installation and Configuration Instructions

E1 Shorting Plug Between Pins

- * 1-2: Latching
- 2-3: Non-Latching

E2 Shorting Plug Between Pins

- * 1-2: No Contact
- 2-3: NC Contact

* Denotes shipped configuration

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