


Thank you for using our products.

INSTALLATION INSTRUCTIONS MODEL MZC-BOOSTER

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  All warnings are printed in bold capital letters.

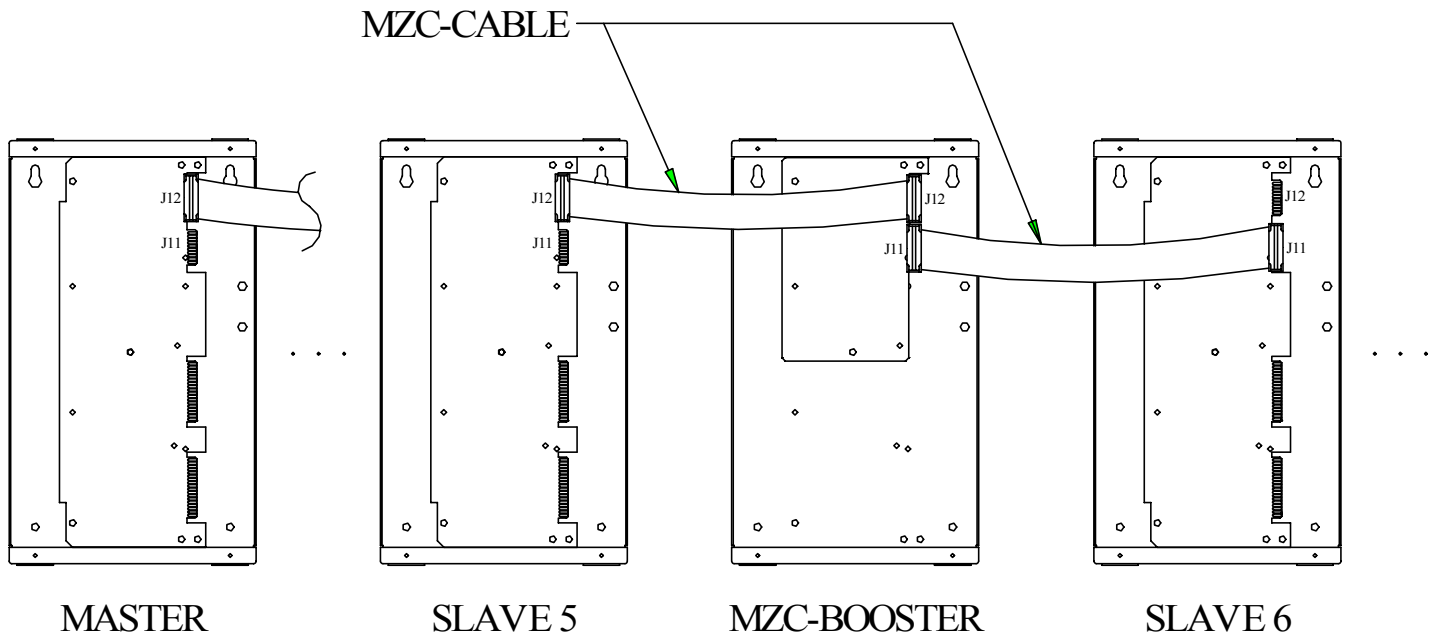
1. APPLICATION INFORMATION:

The Modular Zone Control Booster (MZC-BOOSTER) is used between the 5th slave unit and the 6th slave unit. The MZC-BOOSTER provides active bi-directional retransmission of the data on the master/slave communications bus. The MZC-BOOSTER also provides an inactive passthrough for the audio. Further information on the MZC-144's can be found in P83259 instruction sheet.

2. APPLICATION DIAGRAM:

The following application diagram shows the system configuration for the MZC-BOOSTER (figure 1).

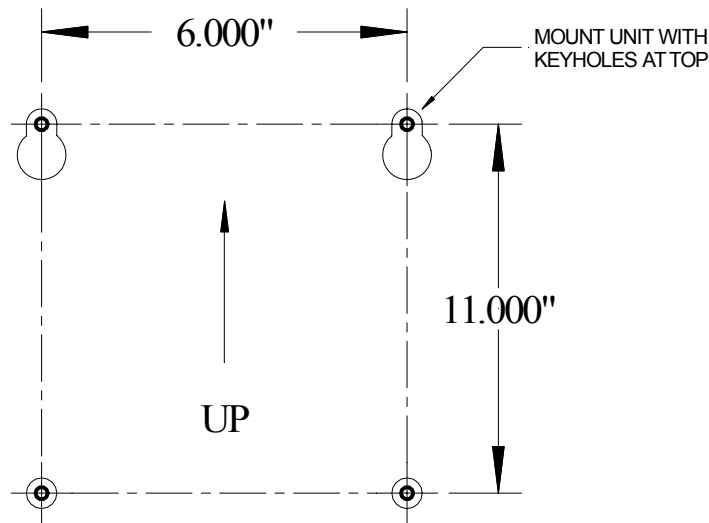
Figure 1.
MZC-BOOSTER Configuration.



3. **MOUNTING INSTRUCTIONS:**

The MZC-BOOSTER is designed for indoor surface wall mounting. Remove the MZC-BOOSTER cover from the base (containing the PC Board assembly) by removing the (1) screw on the front of the unit. Two keyholes and two circular holes are provided in the base for easy installation. A diagram for mounting screw hole locations is given in Figure 2. The Booster unit is to be mounted approximately ¼ inch from the right side of the 5th Slave unit. Recommended screw sizes are #6, #8, or #10 screws. Be sure to use mounting hardware suitable for mounting surface. The 6th Slave unit is to be mounted approximately ¼ inch from the right side of the MZC-BOOSTER.

Figure 2.
Mounting Diagram



4. **SPECIFICATIONS:**

Chart 9.	
Supply Voltage (Nominal)	-24VDC
Supply Voltage Range	-21.6VDC to -26.4VDC
Supply Current	12 mA
Operating Temperature Range	0 to 49 Degrees C
Operating Humidity Range	0 to 85% RH

5. **BOOSTER WIRING INSTRUCTIONS (SEE FIGURE 3):**

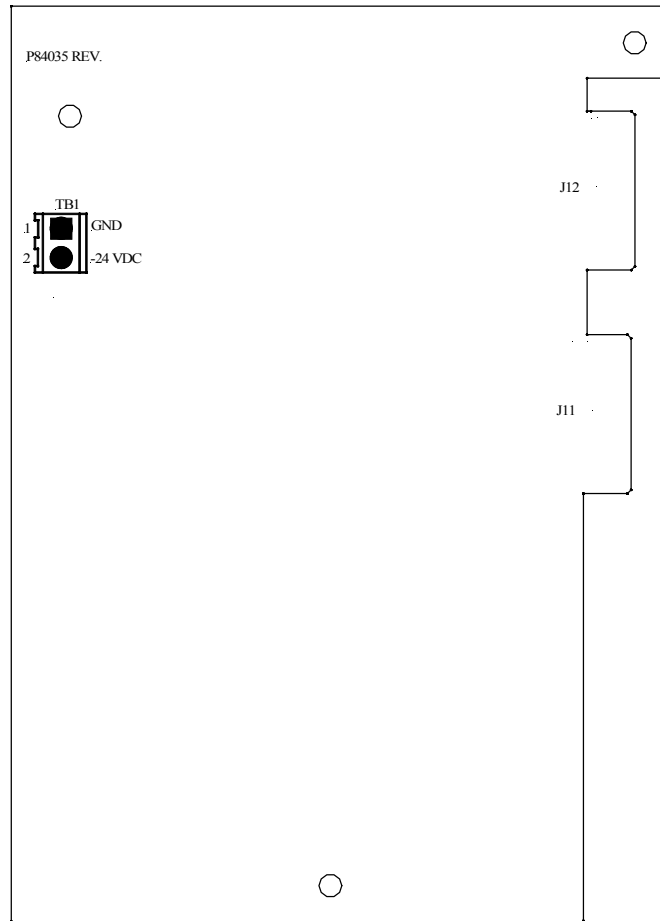
1. Make sure 24VDC power supply is disconnected from the 115VAC power source.
2. With all of the covers off, connect the MZC-CAB between either J11 to J11 or J12 to J12 from the previous to the next unit. When connecting the 5th Slave unit make sure that it is connected to the MZC-BOOSTER board. Then connect another MZC-CAB from the remaining open edge connector on the MZC-BOOSTER to the 6th Slave unit. This creates a daisy chain of the units.
3. Connect the 24VDC power supply to the GND (+) and (-) 24V terminals on TB1, terminals 1 and 2 respectively.

NOTE:

Wire in star configuration. **DO NOT** daisy chain the power connections from one unit to the next as improper operation may result.

4. Connect the 24VDC power supply to the 115VAC source. When the MZC-144 is used in a Master/Slave/Booster configuration make sure that the slave units and the booster are powered up prior to or at the same time as the master. When using multiple power supplies, connect the positive terminals together at the power supplies.

Figure 3.



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