

Testing

After installing the board, you can test it by following this procedure:

1. Attach a printer to the Controller or make sure the Controller is attached to a SCRAMBLE*NET PC.
2. Power the system up by first connecting the AC power, then the standby battery.
3. The system goes through its self-test. You should see this information printed out at the local printer.

Under the **Configurations** section, you should see this:

Expansion Inputs = 8

if one AEB8 is installed and

Expansion Inputs = 16

if two AEB8s are installed.

Under the **Options** section, you should see this line:

AEB8-1

if one AEB8 is installed and

AEB8-2

if two AEB8s are installed.

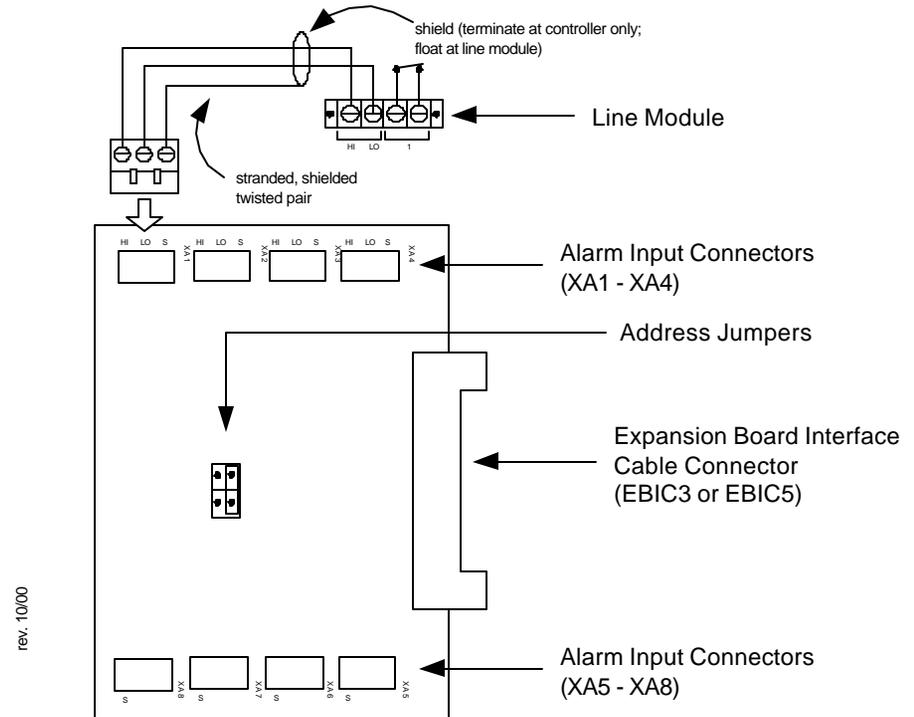
4. Use Command 88*2 from the ScramblePad to request the Max Users and Options information, or use Host PC software.
5. If the correct information doesn't appear on the printouts, power down the Controller and recheck the EBIC connections, then retry the test procedure. If it still doesn't work, contact Hirsch.



1900 Carnegie Ave. Bldg. B
 Santa Ana, CA 92705-5520
 (949) 250-8888
 www.hirschelectronics.com



AEB8 Quick Installation



The AEB8 is an 8-input Alarm Expansion board where each input is supervised like the inputs on the controller board. A Line Module is required for each input.

Setup

No more than 2 AEB8s can be installed in the M2, M8, M64, MSP-8R, or MSP-64R. The M16 cannot accommodate an AEB8.

There are two jumper positions in the middle of the board which control board addressing:

Jumper	Addresses
J1	1 - 8 (factory default for first AEB8)
J2	9 - 16 (default for second AEB8)

Mounting the Board

To mount the AEB8 expansion board:

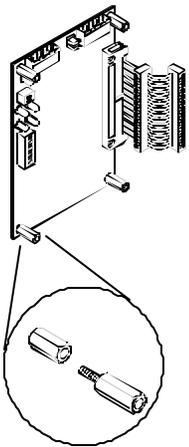
1. Turn all system power off, remove connectors to the standby battery, then remove connectors to the AC power.
2. If there is a SNIB board installed, remove it carefully.
3. Install the AEB8 board on the supplied standoffs.

If you are installing two AEB8s, it is recommended that you install the AEB8 set to J1 on top of the AEB8 set to J2.

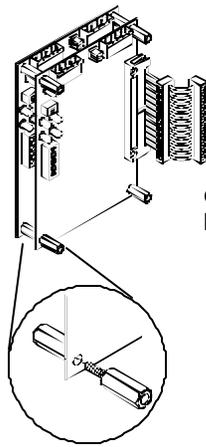
4. After each board is installed, connect the appropriate EBIC5 connector.
5. If you have removed the SNIB board, reinstall it at the top of the card stack.



If a MEB/BE or MEB/CE board is installed, do not remove it. Removing one of these boards will cause the controller to malfunction and requires a system cold start. This will erase all additional information in memory and requires complete system reprogramming.



connecting standoffs to the board

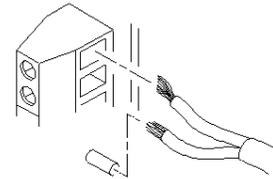


connecting additional boards using standoffs

AEB8 Wiring

To connect inputs to the AEB8:

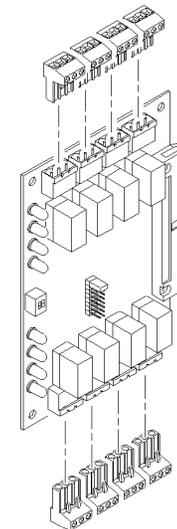
1. If not already done, turn all system power off, remove connectors to the standby battery, and remove connectors to the AC power.
2. Punch out the knockout in the controller enclosure where you plan to route the wires. Either route these wires through the same opening you're using for controller board connections, or knock out a new opening for wires going to the expansion boards.
3. Route the wires through the opening. If it makes wiring easier, detach each green connector from the board as needed.
4. Loosen the screws on each connector plug you will be using.
5. Remove insulation from the wire and insert the specified wires into the green connectors at the required slots.
6. Tighten the screws until the wire is securely fastened in the slot.



inserting wires into green connectors

7. If you removed the green connector in step 3, push the green connector into the appropriate socket until it locks into place.

The connector and socket are keyed, so there is only one way to plug it in.



reattaching the green connectors to the board