

ADEMCO **TECH SUPPORT** **GROUP**

TECHNICAL NOTEBOOK

March, 1993

4120EC CONTROL COMPATIBILITY WITH THE 4137AD KEYPAD:

4120EC controls manufactured before 1/10/93 (Date Code S010), with software prior to WA4120-13, are not compatible with the 4137AD "addressable" keypad. Controls that ARE compatible have the revision number "WA4120-13" and date code "2713" written on the control's EPROM (Electrically Programmable Read Only Memory). See figure 1 on the reverse side of this document to locate this EPROM on the 4120EC's circuit board.

If your 4120EC control does not have this revision, and it is desired to use the 4137AD Addressable keypad, the 4120EC's EPROM must be "upgraded". To perform this EPROM upgrade properly, please follow the instructions outlined below.

- **Note:** If you need the EPROM to perform this upgrade, it is available to you free of charge. To order, please contact the ADEMCO Technical Support Group or the ADEMCO Customer Service Department at the following telephone numbers:

Technical 1-800-645-7492

Customer Service 1-800-645-7568

Performing the EPROM upgrade: (Note: The controls current programming will not be affected.)

1. Remove all power (AC transformer and battery) from the 4120EC control.
2. To guard against any "static discharge" damage during the upgrading process, briefly touch the ground terminal #21 in the 4120EC control or the control cabinet to discharge any static buildup. **NOTE: Avoid performing this upgrade while standing on a carpeted floor. This will only increase the possibility of static buildup.**
3. As depicted in the figure 1, locate the existing 4120EC EPROM (indicated by the large dark arrows).
4. Using a pan head screwdriver or similar device, carefully remove the EPROM by slowly prying the EPROM out of its PC Board socket (Shown in figure 2). **HINT: Insert the screwdriver between the socket and the EPROM and slowly pry the EPROM out alternating from one side of the EPROM to the other.**
5. Carefully insert the new EPROM into the empty socket. Be sure to correctly orient the EPROM with the "notch" pointing toward the left as shown in figure 1. Be careful not to bend or break any of the EPROM legs while inserting it.
6. Restore power to the control.

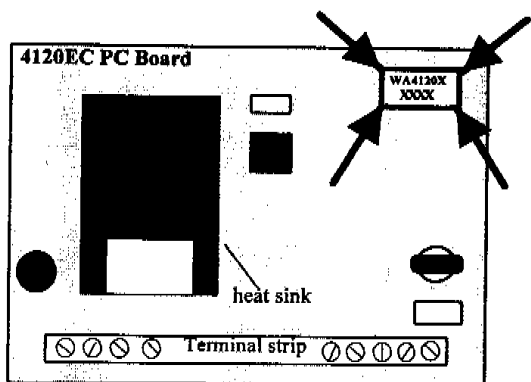


Figure 1

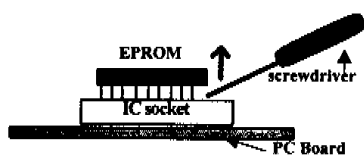


Figure 2