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Adaptive Micro Systems LLC

AlphaEclipse Modem Surge Protection Upgrade Instructions

Overview

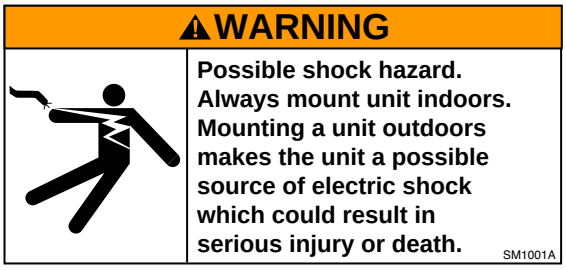
The AlphaEclipse Modem Surge Protector kit (pn 11709022) is designed to protect the modem from surge-related failures in the AlphaEclipse 2500, 2600, and 3500 Series B signs.

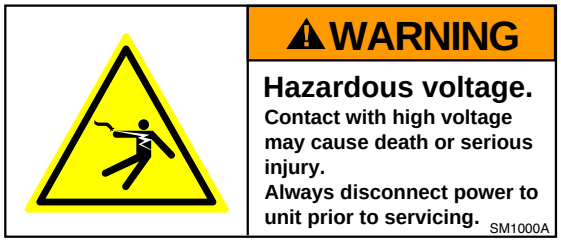
Preventing electrostatic discharge damage

This equipment contains components that may be damaged by "static electricity", or electrostatic discharge. To prevent this from happening, be sure to follow the guidelines in Adaptive Tech Memo 00-0005, *"Preventing Electrostatic Discharge (ESD) Damage,"* available on our Web site at http://www.adaptivedisplays.com.

Warnings and cautions

Always disconnect power before you begin installation to avoid any chance of electric shock.





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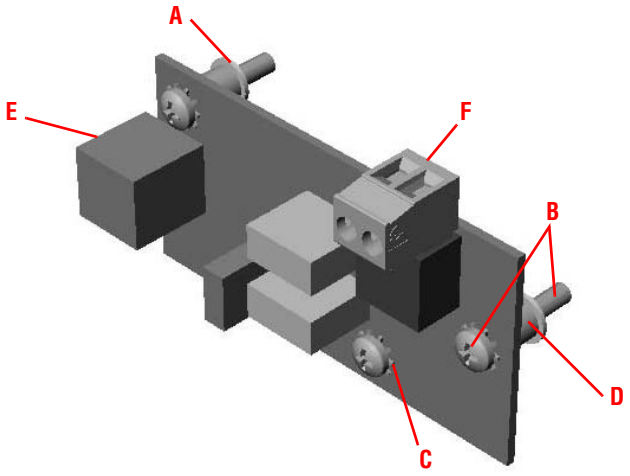
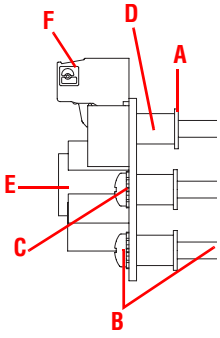
Due to continuing product innovation, specifications in this manual are subject to change without notice.

October 20, 2003 9711-7005A

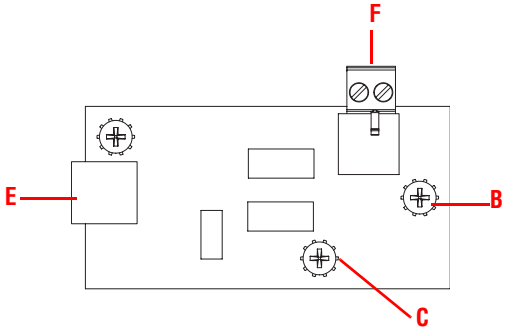
Description

AlphaEclipse Modem Surge Protector





Side view

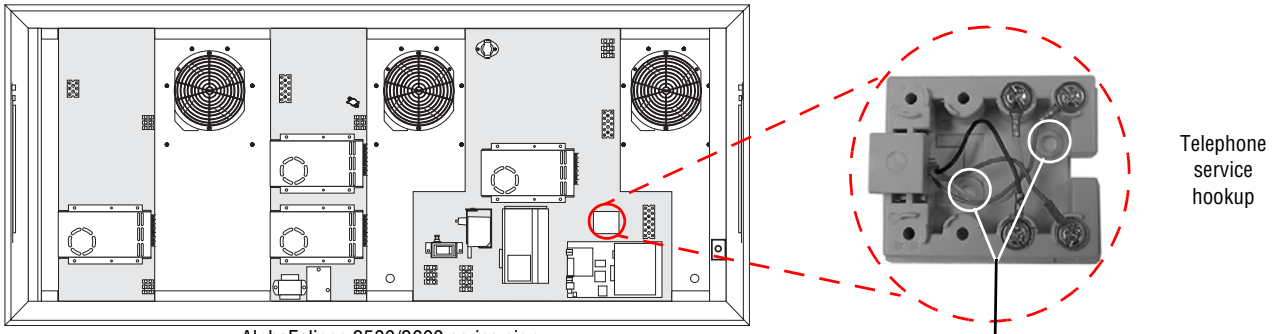


Front view

Item	Part number	Description
A	61810011	#6 nylon retaining washer (.031-inch)
B	61230663	6-32 x .75-inch thread forming screw
C	61820001	5/16-inch lock washer, external tooth
D	63011121	Spacers (.5-inch)
E	N/A	RJ11 connector
F	43201021	Terminal block

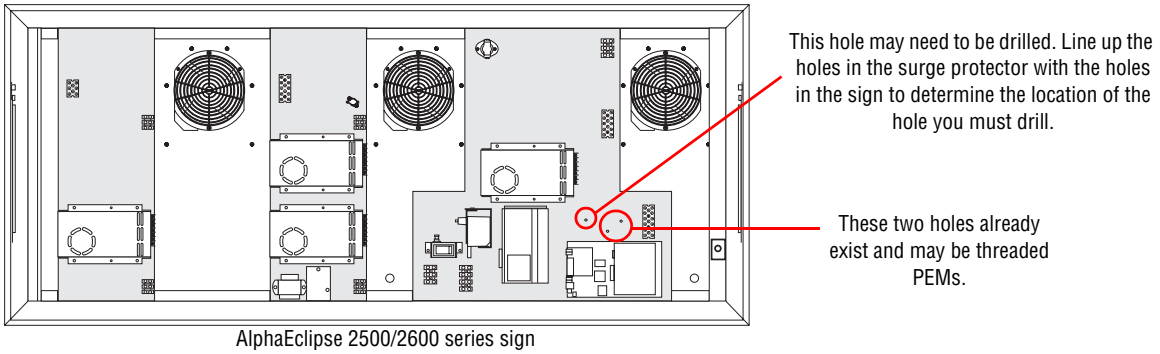
Installation guidelines

1. Disconnect power from the sign.
2. Open the sign according to the directions in your AlphaEclipse installation manual.
3. Take out the telephone service hookup in your sign by removing the screws and disconnecting the wiring.



AlphaEclipse 2500/2600 series sign
(location of parts may be different in an AlphaEclipse 3500 Series B sign)

4. Install the surge protector where the telephone service hookup used to be. A .120-inch diameter may need to be drilled using a #31 drill bit (see the "Surge Protector Template" on page 5). Do NOT oversize the hole.



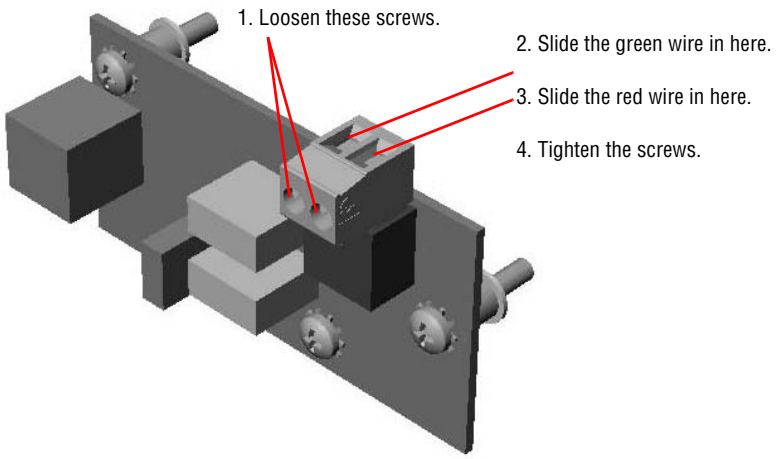
AlphaEclipse 2500/2600 series sign
(location of parts may be different in an AlphaEclipse 3500 Series B sign)

5. Line up the holes in the surge protector with the holes in the sign and then secure the protector to the sign with the appropriate hardware. (See "Description" on page 2.) The torque for the threadforming screws is 15in-lbs.

   NOTE: Grounding is essential for proper operation of the surge protector and takes place through the screws. Proper torque is required.

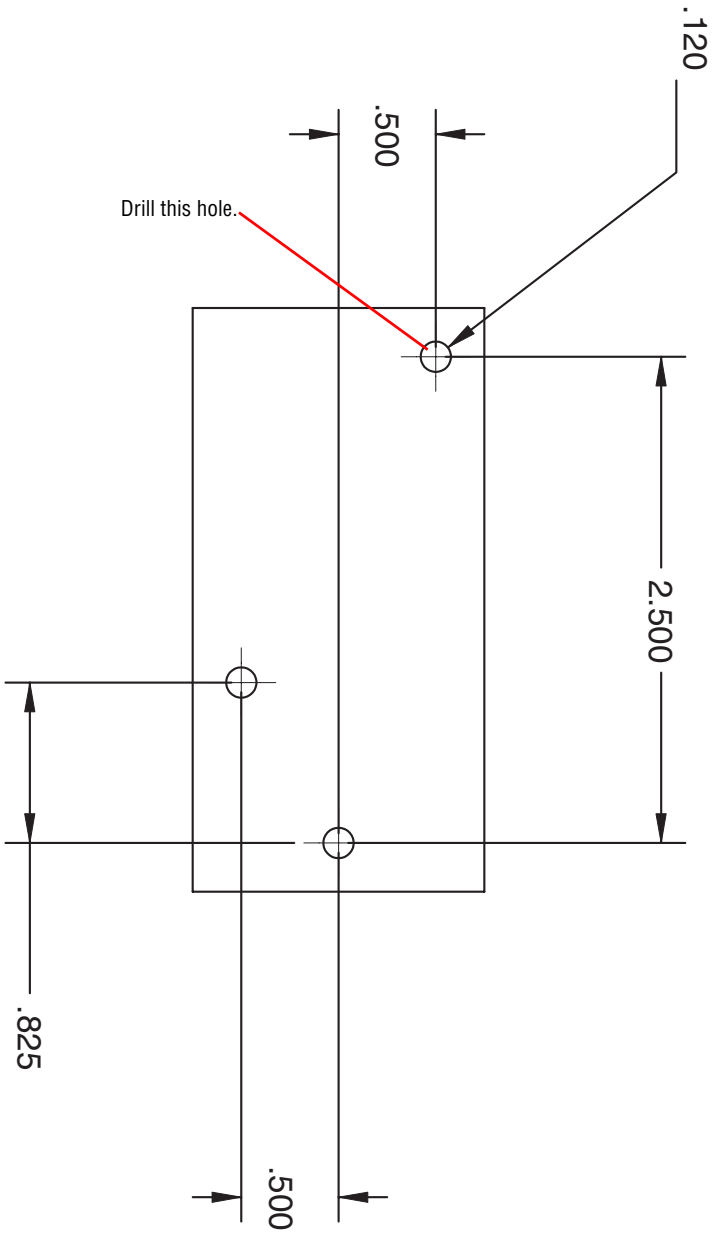
6. Clip the yellow and black wires used for the telephone service hookup.

7. Connect the green (TIP) and red (RING) wires used for the telephone service hookup to the terminal block:



8. Plug the RJ11 from the receiving modem into the RJ11 connector on the surge protector (see “Description” on page 2).
9. Close the sign according to the directions in your AlphaEclipse installation manual.

Surge Protector Template



Do *not* oversize the hole. Be mindful of the shavings when drilling through metal.