



ACE1000 Series External Shunt Installation Procedure



FAILURE TO OBSERVE THESE SAFETY PRECAUTIONS COULD RESULT IN SERIOUS BODILY INJURY, INCLUDING DEATH IN EXTREME CASES.

CAUTION! Make sure that the voltage to P1 has been removed for 10 minutes before starting this procedure.



CAUTION! Static Electricity

While handling drive without cover, do not touch any integrated circuits.

Inside your ACE1000 Series drive is an internal shunt. In order to use a higher wattage external shunt **YOU MUST DISCONNECT THE INTERNAL SHUNT FIRST**. Use this procedure to disconnect the internal shunt.

1. First disconnect all connectors from the drive.

***** **Wait 10 minutes before proceeding** *****

2. Now verify, with a working volt meter, the DC voltage at P2 pin 1 (DC power) and pin 3 (Common). The voltage should be at or below 40VDC considered a safe working voltage.
3. Remove the 12 cover screws using a 3/32 hex key tool (allen wrench). Save screws for later installation of the safety cover.
4. Align the drive with the P1 connector to your left and carefully remove the cover by pulling the side flanges out slightly and lifting the cover in a clockwise rotation.
5. Cut the cable tie that is attached around the wire. Take caution not to cut the wire insulation.
6. Remove the red wire, with blue faston terminals on either end, from the right side of the thermal fuse and PJ3 of the ACE drive.
7. Discard wire.
8. Reinstall the cover and tighten the twelve cover screws.
9. Refer to the user's manual for installation of the external shunt.

