



Technical Bulletin

Place a copy of this bulletin in the front of each Blueprints Manual.
Redline drawings as needed and include a TB reference note.
Reference TB implementation on site Action Item Box-chart and/or
site tool history management log.

Number: 062
Date Issued: 03/06/07
Revised: 06/29/07
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Subject/Key Words:	UPS Model PW5125: Nuisance Power Loss; Kit 229480-001			
Classification:	<input checked="" type="checkbox"/> Informational	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input type="checkbox"/> PM Impact
	<input type="checkbox"/> Warranty Impact	<input type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts expires ___/___/___. Reference this TB# when ordering NC parts.	
Parts/Reference Documents:	Kit 229480-001; Drawings 229480 and 229484			

Issue/Symptoms: Nuisance power down of tool electronics when Model PW5125 UPS1 or UPS2 switches to battery power.

Inspection: Older wet stations equipped with Model PW5119 (Akrion PN 202997-001) UPSs do not experience this problem. After the OEM discontinued Model PW5119 and replaced it with Model PW5125 (Akrion PN 229481-001), it was discovered that the slower switching time of the PW5125 may affect some systems.

Solution: Direct replacement of Model PW5119 with Model PW5125 has been obsoleted. Use Kit 229480-001 to upgrade from Model PW5119 to Model PW5125. If the wet station currently has a Model PW5125 installed, individual components of Kit 229480-001 can be ordered and installed to eliminate nuisance power downs.

Kit 229480-001 includes a Model PW5125 UPS, a UPS communications cable upgrade adapter (only needed when upgrading from a PW5119), and new Allen Bradley K1 and K2 contactors (to replace the original Cutler Hammer K1 and K2 contactors). The kit contains the necessary wiring components, plus drawings with install and UPS programming instructions.

When modifying an existing PW5125 UPS, simply order items 3, 4, and 5 of Kit 229480-001. If needed, E-mail docontrol@akrion.com. to request a copy of the install drawings 229480 and 229484. Bills of Material are included on the drawings.

During installation, be sure to confirm that the 208 VAC transformer taps are used as stated in Step 6 of the UPS Installation Instructions. Also be certain the 220 nominal output is selected as outlined in Steps 6 and 7 of the Programming Instructions.

This is a one-time upgrade per UPS (Two kits are required per tool). Tools built from this point forward will use the new Allen Bradley K1 and K2 contactors that prevent nuisance tripping of the PW5125.

If you have technical questions or require more information, please contact Akrion Technical Support Department via e-mail at techsupport@akrion.com. Authorized service personnel can obtain copies of the latest Akrion procedures and controlled documents from the Akrion Document Control department at docontrol@akrion.com. Customers must direct all inquires to their local Akrion field service representative. (Form QA1656F1AC)

