



Technical Bulletin

Number: 039
Date Issued: 04/06/04
Expiration Date: 04/06/05

Subject/Key Words:	AKS Internal Computer UPS, Battery Packs and Batteries		
Classification:	<input checked="" type="checkbox"/> Informational	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert
	<input checked="" type="checkbox"/> Warranty Impact	<input checked="" type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts For ____ Days After Issue Date.
Applicable Akrion Procedures:	None		
Parts/Reference Documents:	226707-001 Power Supply and Battery Pack, 110/220Vac 300W 226708-001 Battery, 12Vdc 2.2Ah		
Attachments:	None		

Issue: A power-loss/EMO induced AKS computer shutdown may result in irreparable CPU damage if the computer's internal UPS cannot supply backup power to allow a sequential shutdown of the system.

Symptoms: Internal computer UPS failure or battery failures, beeping coming from computer.

Test/Validate: Verify LED and buzzer status on faceplate of battery pack indicates normal status.

Utility States	LED Indicator state	Buzzer state
Normal		
Blackout, UPS On (24 ~ 21.5V)		Beep .. Beep .. Beep .. (3 seconds interval)
Battery Low (21.5 ~ 18.5V)		Beep (sounds quickly and short)
Battery Failure (DC Input Failure)		

Solution: If battery status is low or failed, immediately replace batteries with Akrion PN 226708-001 (two required). Check battery status and perform controlled EMO to test for proper sequential shutdown every six months. Do not EMO with low or failed batteries. If testing indicates a failed internal power supply, replace with Akrion PN 226707-001. **Warning: It is not recommended to operate the Akrion wet station with the UPS battery pack disconnected. Failure to maintain an operational AKS computer UPS and battery pack may void warranties.**

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 doccontrol@akrion.com. Customers must direct all inquires to their local Akrion field service representative. (Form QA1656F1A)