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: 076
Date Issued: 07/22/10

Subject/Key Words:	*SAFETY ALERT* - Chemical Heater Reset – DeviceNet GAMA & Semi Auto V3			
Classification:	❑ Informational	■ Mandatory	■ Safety Alert	❑ PM Impact
	❑ Warranty Impact	❑ Purchase Parts	❑ No Charge For Parts expires ___ / ___/___. Reference this TB# when ordering NC parts.	
Applicable Akrion Procedures:	OP0377ak section 7.1.1.n. Temperature Controller Set-up (935) OP1747ac section 7.2.1.u. Heater Circuit Setup (SD-31)			
Parts/Reference Documents:	233964-001 KIT HEATER SAFETY TIMER SINGLE DNET GAMA 233965-001 KIT HEATER SAFETY TIMER PRM DNET GAMA 233966-001 KIT HEATER SAFETY TIMER X2 DNET GAMA			
Tool Down Time:	GAMA: varies with # of safety timer kits per tool - estimate 2 to 4 hrs per tool V3: OT controller configuration and test - estimate 1 hour per tool Note: Chemical change out not required, add time if tool required a chemical change out.			

Issue: An over temperature (OT) condition/alarm must disable the heater until a manual reset has occurred.

GAMA DeviceNet and V3 heater circuits require alterations or setup configuration changes to ensure this requirement is met. The following solution outlines corrective action to be supplied by Akrion Systems.

Solution: GAMA: Service has been issued safety timer upgrade kits; hardware and software, to install in all GAMA DeviceNet controlled modules to disable an over temperature heater and provide a HMI Operator reset of an over temperature alarm. This scheme maintains fully automatic operator control.

V3: Heater Temperature control procedures have been upgraded to set over temperature controllers to latch for an over temp alarm. Being a semi-auto tool, the over temp controller latch will require a manual reset. The Alarm Latch is cleared by pressing the "Set" button on the 935 controller, or the "∞" infinity button on the SD-31 controllers.

Schedule: Area Service providers will contact and review CIP implementation plans with customers directly. Suspect tools have been identified and will require compliance feedback to the factory.