

January 16, 2003

**SUBJECT: AKR and WavePro™ Circuit Breaker types AKR-50/75/125, WP32 & WP40**

**ADVISORY:** GE Industrial Systems' Switchgear Operation recently determined a quantity of 68 AKR & WavePro Low Voltage Power Circuit Breakers, of Date Code P243& through P244&, may have been manufactured with non-conforming Motor cut-off switches that may fail to Open and fail to de-energize the electric charging motor. If the motor continues to run for several minutes, its windings will overheat and the motor will be permanently damaged.

**INSPECTION:** The potential failure is a result of improper manufacturing of the cut-off switch, GE Part # 192A7153P8. Specifically, our supplier built the switch with an incorrect, much weaker spring supporting the switch's over-travel button. Normal switches will change state when a force of 19 lbs. is applied to the pushbutton. The ¼" diameter over-travel button will not move relative to the 3/8" diameter shaft unless the switch has operated, bottomed out in stroke, and if the applied force reaches 28 lbs. Defective switches, with much weaker springs supporting their over-travel buttons, will operate differently. The ¼" diameter over-travel button will begin to depress into the 3/8" diameter sleeve immediately and travel as much as 1/8" before the switch changes state. This operating point is variable and the switch may fail to operate. All defective switches have a date code of 0241 stamped on the side of the switch case in addition to the normal markings of CSA, 192A7153P8, and NORM CLOSED.

**PRODUCT ACTION:** Non-conforming motor cut-off switches may be present in circuit breakers produced during Fiscal Week 43, 2002 (Date Code P243&) and Fiscal Week 44, 2002 (Date Code P244&). GE will inspect & replace as necessary, all non-conforming motor cut-off switches on all AKR and WavePro Low Voltage Power Circuit Breakers as listed in the attached table.

**PARTS TO BE CHANGED:** All breakers will require a quantity of 1 switch, Part # 192A7153P8 per breaker.

To arrange for the circuit breaker(s) motor cut-off switch inspection and/or replacement in 1600-5000 Ampere, AKR and WavePro Low Voltage Power Circuit Breakers at GE's expense in accordance with the conditions detailed above:

Please acknowledge receipt of this Service Advisory by phone or fax to the number listed below.

**PLEASE PROMPTLY CONTACT:**

Service Advisory Administrator – Post Sales Service  
Industrial Systems Switchgear Operations  
510 East Agency Road, West Burlington, IA 52655  
TEL: (888) GE-RESOLve 888 437-3765 Dial menu choices 1, & 2  
FAX: (319) 753-8633