

Product Safety Alert

Immediate Action Required

Subject: MicroVersaTripPlus™ and MicroVersaTripPM™ Trip Units

GE Industrial Systems has identified a potential defective component condition in MicroVersaTrip trip units used with Low Voltage Circuit Breakers. **These trip units must be tested immediately per the attached procedure. GE will supply replacement MicroVersaTrip trip units for any units that fail the prescribed tests.**

The issue involves a potential defect in an electronic component that was purchased from a supplier. The defect compromises the seal of the part, which may allow moisture and contaminants in the air to enter the part resulting in corrosion and potential component failure. This condition, if present, will result in a failure of the breaker to trip. Based on field data and reliability modeling this potential defect is an infant mortality issue and should present itself within the first 35 days of energization.

This condition, if present, will result in a failure of the breaker to trip under overload, ground fault, and short circuit conditions. Such a condition may result in severe property damage, personal injury, or loss of life.

Products affected are all MicroVersaTrip Plus and MicroVersaTripPM trip units with 5 buttons on the display, manufactured after December 26, 2000 (Date Codes E052&, P052&, and BN052&) and prior to Jun 21, 2002 (Date Codes E225&, P225&, and BN225&) when used in:

- Power Break® Insulated-Case Circuit Breakers
- Power Break® II Insulated-Case Circuit Breakers
- Low-Voltage Power Circuit Breaker Conversion Kits (MVT trip units only)

Other similar trip units (however no field failures have been recorded) are used in:

- Type AKR Low-Voltage Power Circuit Breakers
- Type WavePro™ Low Voltage Power Circuit Breakers
- J and K Frame Circuit Breakers with MicroVersaTrip™ Trip Units
- R-Frame Molded-Case Circuit Breakers

For a complete list of catalog numbers affected see the attachments.

Power+ Units used on Power Break II, WavePro™ circuit breakers, and in ProTrip Conversion kits are not affected due to different construction, which does not include the component in question. Four button MicroVersaTrip Plus and MicroVersaTrip PM units used on Spectra RMS™ molded case circuit breakers are not affected due to different construction which does not include the component in question.

Required Actions:

1 - Determine the date code of the MicroVersaTrip trip unit. The date code of trip unit manufacture is found on the front (gray) label of the trip unit in the upper right hand corner of the main label and directly below the keypad. This code can be viewed from the front of the circuit breaker. The trip unit cover may need to be opened to see the date code. Date codes will consist of the letters "E", "P", and "BN" followed by three numbers and the "&" sign. Examples are E052&, E101& through E152&, and E201& through E225&.

2 - Test trip unit for proper operation.

Case 1 - Trip units that have been energized for 35 days or more:

Remove the circuit breaker from service and test the trip unit and flux shifter operation per the attached test procedure. If you do not have the appropriate test kit please contact Safety Alert Administrator identified at the bottom of this Product Safety Alert

Case 2 - Trip units that have been energized for less than 35 days or not yet been energized:

Contact the Safety Alert Administrator for other instructions.

Any test failures should be reported to the Safety Alert Administrator. We will arrange to provide replacement trip units in accordance with the end user needs.

3 - Replace defective trip unit. The breaker must be de-energized and open during replacement of the trip unit. Instructions for Trip Unit installation should be followed and are furnished with the replacement trip unit.

4. - Notify GE of the test results. In an effort to ensure full coverage of this advisory please provide the test results (pass and fail) to the Safety Alert Administrator per the instructions on the test procedures.

If you have any questions regarding the identification of affected trip units, the attached test procedure, the replacement of trip units or any other questions about this Product Safety Alert, please feel free to contact at the address or phone listed below.

Required Field Action – If these products are no longer in your possession:

Please forward a copy of this notice, along with any identifying documentation, immediately to the person or organization that you transferred the product to. Please provide the Safety Alert Administrator, by return mail, with a copy of the forward notification so we may track the effectiveness of the Alert.

The circumstances leading to this notice are regrettable. If you have any questions regarding this matter, please contact GE Post Sale Service for answers at the number below. If they are unable to help you directly, they will refer the question to the proper person for a prompt response. We appreciate your assistance in eliminating this potential safety risk.

Contact Information:

Safety Alert Administrator – Post Sales Service

GE Industrial Systems.

41 Woodford Avenue

Plainville, CT 06062

TEL: (888) GE-RESOLve (888 437-3765), Dial menu choices 1, 7

FAX: (860) 747-7000

GE Circuit Breaker Trip Unit Catalog Numbers Affected

AKR Trip Unit Catalog Numbers Affected

Character 1 A	Character 2,3,4 Any	Character 5 and higher ANY
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WavePro™ Trip Unit Catalog Numbers Affected

Character 1 K	Character 2,3,4 Any	Character 5 and higher ANY
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Examples: MVT Trip Units start with K and are affected.
Power+ Trip Units start with J and are not affected.

Power Break® Trip Unit Catalog Numbers Affected

Character 1 C	Character 2,3,4 Any	Character 5 and higher ANY
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Power Break® II Trip Unit Catalog Numbers Affected

Character 1 B	Character 2,3,4 Any	Character 5 and higher ANY
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Examples: MVT Trip Units start with B and are affected.
Power+ Trip Units start with D and are not affected.

J and K Frame Trip Unit Catalog Numbers Affected

Character 1 C	Character 2,3,4 Any	Character 5 and higher ANY
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R-Frame Trip Unit Catalog Numbers Affected

Character 1 C	Character 2,3,4 Any	Character 5 and higher ANY
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GE Circuit Breaker Circuit Breaker Catalog Numbers Affected

AKR Circuit Breaker Catalog Numbers Affected

All units with MVT trip units

WavePro™ Circuit Breaker Catalog Numbers Affected

Character 1&2 WE or WS	Character 3 Any	Character 4 ANY	Character 5 A,B, or C	Character 6 ANY	Characters 7 – 15 Any
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Note: Character 5 indicates if the breaker has an MVT Trip unit.

Examples: WE1BAAXXXXXXXXXX... is affected

WE1BGAXXXXXXXXXX... is not affected. The 5th character is outside the range.

Reference DET-167 page 28 for WavePro Catalog Number Guide.

Power Break® Circuit Breaker Catalog Numbers Affected

Part 1 TP, THP, TC, THC	Part 2 Numbers	Part 3 T, TT, TR, TTR	Part 4 Any
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Examples: TP2510TTR, THC88TTE1, THP4040TRZE1C

Power Break® II Circuit Breaker Catalog Numbers Affected

Character 1&2 SS or SH	Character 3 D,F,B	Character 4,5 ANY	Character 6 B	Characters 7 and higher Any
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Note: Character 6 indicates if the breaker has an MVT Trip unit.

Examples: SSD08B208, SHF30B330, SSB16B216

J & K Frame w/ MicroVersaTrip™ Circuit Breaker Catalog Numbers Affected

Part 1 TJL, TJH, TKL, TKH	Part 2 1,3,4,6,8,12	Part 3 S or SS
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Examples: TJL6SS, TKH12S

R Frame Circuit Breaker Catalog Numbers Affected

Character 1&2 TR	Character 3&4 LA, PA, LL or PP	Character 5,6,7 36B, 36C, or 36D	Character 8 Any	Characters 9 and higher Any
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Conversion Kit Catalog Numbers Affected

MicroVersaTrip Plus™ & MicroVersaTrip PM™ Conversion Kits for GE Power Circuit Breakers	MicroVersaTrip Plus™ & MicroVersaTrip PM™ Conversion Kits for ITE Power Circuit Breakers	MicroVersaTrip Plus™ & MicroVersaTrip PM™ Conversion Kits for Westinghouse Power Circuit Breakers	MicroVersaTrip Plus™ & MicroVersaTrip PM™ Conversion Kits for Allis Chalmers Power Circuit Breakers
<p>All are affected. Catalog numbers start with:</p> <p>AK115 AKO15 AKO25 AK125 AKR30 AKR3S AK150 AKO50 AKR50 AKO75 AKR75 AKO10 AKR10 AKW10</p>	<p>All are affected. Catalog numbers start with:</p> <p>AIKA2 AIK22 AIKBM AIKBS AIKBX AIK60 AIKC8 AIK80 AIKC1 AIK16 AIK1B AIKN1 AIK20 AIKD3 AIK30 AIKE4 AIKG4 AIK40</p>	<p>All are affected. Catalog numbers start with:</p> <p>ADB15 ADK15 ADB25 ADK25 ADS06 ADA50 ADB50 ADS16 ADS20 ADS53 ADA75 ADB75 ADS32 ADA10 ADB10 ADS40</p>	<p>All are affected. Catalog numbers start with:</p> <p>ASL25 ASL2A ASL6B ASL6G ASL58 ASL80 ASR80 ASL51 ASL52 ASL1B ASL1G ASR16 ASR0 ASL75 ASL30 ASL3B ASL3G ASR32 ASL4B ASL4G ASR40</p>
<p>Application Brochure: DET-066B</p>	<p>Application Brochure: DET-067C</p>	<p>Application Brochure: DET-093C</p>	<p>Application Brochure: DET-226</p>