



ProTrip™

Complete Trip System
*Trip Unit Conversion Kits for
GE Power Circuit Breakers*

ProTrip is **the complete trip system** for upgrading existing circuit breakers. It replaces your electromechanical trip units with the up-to-date technology of a modern electronic trip unit. And who can do this better than GE? **No one has more experience** in building breakers, and nothing offers greater value than ProTrip.

Designed and tested to ANSI C37.59, ProTrip trip units feature true RMS sensing.

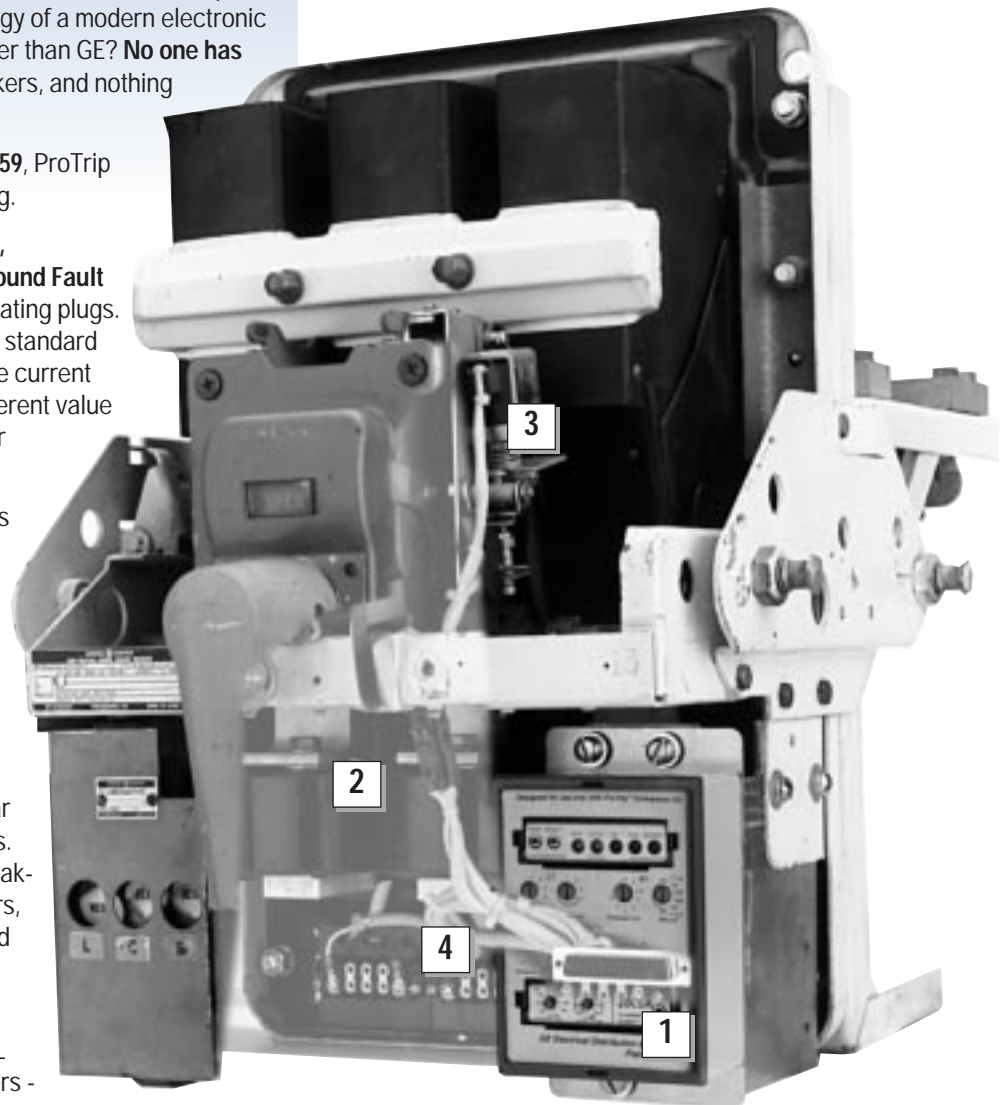
Adjustable **Long Time, Short Time, Instantaneous** and **Defeatable Ground Fault** trip functions are standard on all rating plugs. And ProTrip conversion kits come standard with a rating plug that matches the current sensor. (If a rating plug with a different value is required, please price and order separately.)

A **standard target module** provides quick identification of overload, short circuit and ground fault trips.

Trip unit diagnostics may be performed with the **TVRMS2 trip unit test set**.

ProTrip delivers **improved system protection and performance** for far less than the cost of new breakers. And you can install ProTrip on breakers from a variety of manufacturers, including **Allis Chalmers, I-T-E** and **Westinghouse** as well as GE.

For other valuable GE aftermarket products - such as Power/Vac® VL 5kV and 15kV replacement breakers - contact your ED&C sales engineer or **your local FAS™ Team service provider**.



AKU-2A-25-1
breaker with ProTrip Complete Trip System

ProTrip complete trip systems come with everything you need:
1 - trip unit, 2 - current sensors, 3 - flux shifter, 4 - wiring harness
and all required hardware.

Selection Guide

Conversion Kits

Catalog Number Structure **PK115 D 3 F 01 08**

Breaker		
AK-1-15	=	PK115
AK-15	=	PK015 ³
AK-1-25	=	PK125
AK-25	=	PK025 ³
AKU-25	=	PK025 ³
AK-1-50	=	PK150
AK-50	=	PK050 ³
AKU-50 ⁴	=	PK050 ³
AKT-50	=	PK050 ³
AKS-50	=	PK050 ³
AKSU-50 ⁴	=	PK050 ³
AKST-50	=	PK050 ³
AK-75 ⁴	=	PK075 ¹
AK-100 ⁴	=	PK010 ¹

Model
D = Generation

Wiring
3 Wire = 3
4 Wire = 4

Sensor Type
F = Fixed CTs

Sensor Rating ²	
150A	= 01
225A	= 02
600A	= 06
800A	= 08
1600A	= 16
2000A	= 20
3000A	= 30
4000A	= 40

Trip Functions
LSIGX = 08

Trip Unit Functions
LSIGX Long Time, Short Time/Inst. & Switchable Ground Fault (off), not approved for a UL Listed breaker

Sensor Rating Selection		
Frame	Breaker Catalog Numbers	Sensors
225	AK-1-15, AK-15	150A, 225A
600	AK-1-25, AK-25, AKU-25	150A, 225A, 600A
1600	AK-1-50, AK-50, AKU-50, AKS-50, AKSU-50	800A
2000	AKT-50, AKST-50	2000A
3000	AK-75	3000A
4000	AK-100	4000A

1. Contact the factory for stationary breaker applications
2. Order rating plug separately, see table below
3. For converting AK-2 version breakers and newer, not applicable for AK-1 or AKR
4. Breakers equipped with older style open fuse lockout devices (OFLO), must be retrofitted with newer style OFLO device prior to conversion process. Order replacement OFLO kits as follows: AKU-50 - order OFLO kit #121C287OG2, AK-75 - order OFLO kit #121C287OG3, AK-100 - order OFLO kit #121C287OG4

Rating Plugs

Breaker Frame Size (Amps)	Current Sensor (Amps)	Rating Plug (Amps)	Current Range (Amps)	Rating Plug Cat. No.	Breaker Frame Size (Amps)	Current Sensor (Amps)	Rating Plug (Amps)	Current Range (Amps)	Rating Plug Cat. No.
225	150	80	40-88	PT1C80GFD	1600	1600	800	400-880	PT16C800GFD
		100	50-110	PT1C100GFD			1000	500-1100	PT16C1000GFD
		125	63-138	PT1C125GFD			1100	550-1210	PT16C1100GFD
		150	75-165	PT1C150GFD			1200	600-1320	PT16C1200GFD
	225	150	75-165	PT225C150GFD			1600	800-1760	PT16C1600GFD
		225	113-248	PT225C225GFD			1000	500-1100	PT20C1000GFD
600	225	150	75-165	PT225C150GFD	2000	2000	1200	600-1320	PT20C1200GFD
		225	113-248	PT225C225GFD			1500	750-1650	PT20C1500GFD
	600	300	150-330	PT6C300GFD			1600	800-1760	PT20C1600GFD
		400	200-440	PT6C400GFD			2000	1000-2200	PT20C2000GFD
		450	225-495	PT6C450GFD			1200	600-1320	PT30C1200GFD
		500	250-550	PT6C500GFD			1600	800-1760	PT30C1600GFD
1600	800	600	300-660	PT6C600GFD	3000	3000	2000	1000-2200	PT30C2000GFD
		400	200-440	PT8C400GFD			2500	1250-2750	PT30C2500GFD
		450	225-495	PT8C450GFD			3000	1500-3300	PT30C3000GFD
		500	250-550	PT8C500GFD			1600	800-1760	PT40C1600GFD
		600	300-660	PT8C600GFD			2000	1000-2200	PT40C2000GFD
		700	350-770	PT8C700GFD			2500	1250-2750	PT40C2500GFD
1600	800	800	400-880	PT8C800GFD	4000	4000	3000	1500-3300	PT40C3000GFD
		400	200-440	PT8C400GFD			3600	1800-3960	PT40C3600GFD
		450	225-495	PT8C450GFD			4000	2000-4400	PT40C4000GFD
		500	250-550	PT8C500GFD					
		600	300-660	PT8C600GFD					
		700	350-770	PT8C700GFD					

For details on other ProTrip™ conversion kits, ask your ED&C sales engineer for these publications:

DET-229	ProTrip Trip Unit Conversion Kits for I-T-E Power Circuit Breakers
DET-230	ProTrip Trip Unit Conversion Kits for Westinghouse Power Circuit Breakers
DET-231	ProTrip Trip Unit Conversion Kits for Allis Chalmers Power Circuit Breakers



GE Industrial Systems

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