



ProTrip™

Complete Trip System

Trip Unit Conversion Kits for I-T-E 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.

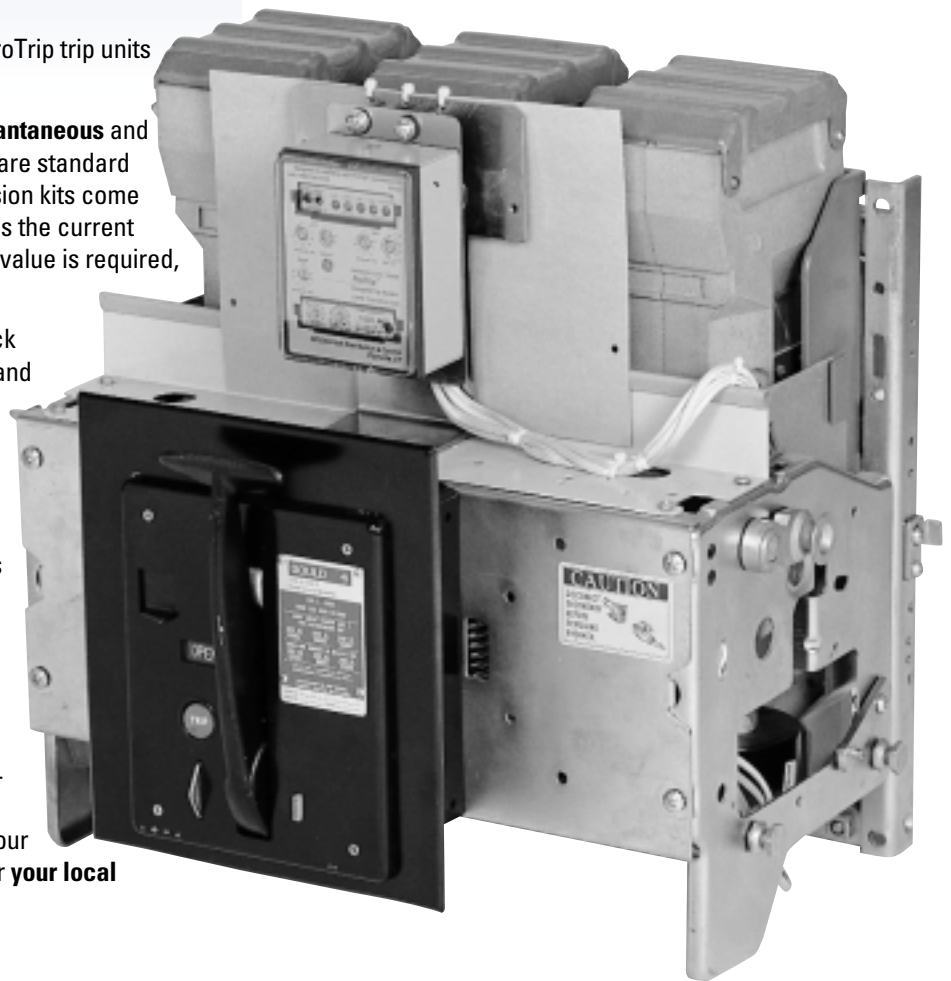
Adjustable **Long Time, Short Time, Instantaneous** and **Defeatable Ground Fault** trip functions are standard on all rating plugs. And ProTrip conversion kits come standard with a rating plug that matches the current sensor. (If a rating plug with a different value is required, please price and order 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 **GE, Allis Chalmers** and **Westinghouse** as well as I-T-E.

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



Selection Guide

Conversion Kits

Catalog Number Structure **PIK22 D 3 F 02 08**

Breaker	
K225	= PIK22 ²
K600	
KDON600	= PIK60 ²
K800	
KDON800	= PIK80 ²
K1600 (black)	
KDON1600 (black)	= PIK1B ²
K1600 (red)	= PIK16 ^{2,3}
KDON1600 (red)	= PIK1N ^{2,4}

Model
D = Generation

Wiring
3 Wire = 3
4 Wire = 4

Sensor Type
F = Fixed CTs

Sensor Rating ¹
150A = 01
225A = 02
400A = 04
600A = 06
800A = 08
1600A = 16

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	K225	150A, 225A
600	K600, KDON600	150A, 225A, 600A
800	K800, KDON800	150A, 400A, 800A
1600	K1600 (black), KDON1600 (black), K1600 (red), KDON1600 (red)	800A, 1600A

- Order rating plug separately, see table below
- Applicable to breakers originally equipped with either electro-mechanical trip devices or with solid state trip devices ("S" version breakers).
- Only applicable to breakers originally equipped with rectangular shaped primary disconnect assemblies.
- Only applicable to breaker originally equipped with circular shaped primary disconnect assemblies.

Rating Plugs

Breaker Frame Size (Amps)	Current Sensor (Amps)	Rating Plug (Amps)	Current Range ^① (Amps)	Rating Plug Cat. No.	Breaker Frame Size (Amps)	Current Sensor (Amps)	Rating Plug (Amps)	Current Range ^① (Amps)	Rating Plug Cat. No.
225	150	80	40-88	PT1C80GFD	800	400	200	100-220	PT4C200GFD
		100	50-110	PT1C100GFD			225	113-248	PT4C225GFD
		125	63-138	PT1C125GFD			250	125-275	PT4C250GFD
	225	150	75-165	PT1C150GFD ^②			300	150-330	PT4C300GFD
		150	75-165	PT225C150GFD			400	200-440	PT4C400GFD ^②
		225	113-248	PT225C225GFD ^②			400	200-440	PT8C400GFD
600	150	80	40-88	PT1C80GFD	800	800	450	225-495	PT8C450GFD
		100	50-110	PT1C100GFD			500	250-550	PT8C500GFD
		125	63-138	PT1C125GFD			600	300-660	PT8C600GFD
		150	75-165	PT1C150GFD ^②			700	350-770	PT8C700GFD
	225	150	75-165	PT225C150GFD	800	400-880	PT8C800GFD ^②		
		225	113-248	PT225C225GFD ^②	1600	800	400	200-440	PT8C400GFD
	600	300	150-330	PT6C300GFD			450	225-495	PT8C450GFD
		400	200-440	PT6C400GFD			500	250-550	PT8C500GFD
		450	225-495	PT6C450GFD			600	300-660	PT8C600GFD
		500	250-550	PT6C500GFD			700	350-770	PT8C700GFD
800	150	600	300-660	PT6C600GFD ^②			800	400-880	PT8C800GFD ^②
		80	40-88	PT1C80GFD	800	400-880	PT16C800GFD		
		100	50-110	PT1C100GFD	1000	500-1100	PT16C1000GFD		
		125	63-138	PT1C125GFD	1100	550-1210	PT16C1100GFD		
800	150	150	75-165	PT1C150GFD ^②	1200	600-1320	PT16C1200GFD		
		1600	800-1760	PT16C1600GFD ^②					

① Long Time pickup range is 0.5-1.1 times the rating plug value. 1.1 setting allows the breaker to carry 100% of the rating plug current value, not to exceed the continuous current (frame) rating of the breaker.

② Rating plug furnished with conversion kit.

For details on other ProTrip™ conversion kits, ask your GE Industrial Systems sales engineer for these publications:

- DET-228 ProTrip Trip Unit Conversion Kits for GE 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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