

# HI-SPEED

DC TRIP UNIT

MICRO-CONTROLLER BASED

*HI-SPEED Trip Unit for FBK Circuit Breakers with Rate-of-Rise Capability.*

## Application Overview

The HI-SPEED is the OEM trip unit installed on newly manufactured FBK circuit breakers.

The HI-SPEED is the new standard for DC circuit protection for traction power and other applications requiring true Hi-Speed operation and Rate-of-Rise (dl/dT) protection.



HI-SPEED DC Trip Unit shown on a 2-pole, 4000amp FBK circuit breaker.

## HI-SPEED Features Include:

- Bi-directional current sensing
- Hi-Speed Fault Protection
- Rate-of-Rise Protection
- 16-Character DC Ammeter
- All Setting in Amps and Seconds
- Displays Last-Trip-Data
- Momentary Alarm Relay
- Supervisory (Remote) Trip Option
- Lockout Relay Option
- 2-Pole Application Optional



## Programming

Settings are programmed using the ▲, ▼ and **ENTER** buttons on the front of the trip unit. All settings and Last Trip Data are stored in non-volatile memory.

Last Trip Data and trip unit settings can be reviewed at any time by pressing the **MENU** button.

## Direct Replacement for ABB Trip Unit

The HI-SPEED is available as a direct replacement for the original ABB trip unit. The HI-SPEED provides the following advantages:

- Trip unit is micro-controller based.
- Plugs directly into existing wiring harness on older FBK breakers.
- Operates the original OEM trip coil.
- Offers extended range of settings.
- Trip capacitor is a solid-dielectric type which cannot leak.

- Cool operation reduces trip unit overheating.
- Easier to test.
- Trip Unit is readily available.



HI-SPEED is available as an upgrade for original ABB trip unit.

For pricing and information contact:  
Utility Relay Company

**Call Toll Free: 888-289-2864**

For additional information visit our website:  
[www.utilityrelay.com](http://www.utilityrelay.com)

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