

Current Limiters, Alarms and Test Kits

Type LFD Current Limiter

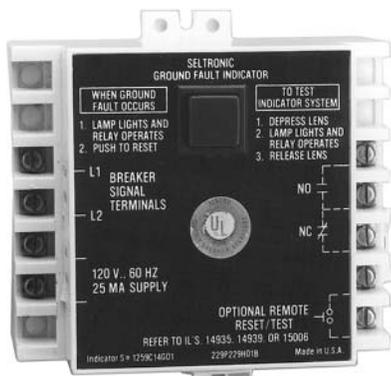


The LFD Current Limiter is an accessory that bolts to the load end of a standard FDB or FD thermal-magnetic circuit breaker, providing 200,000 A interrupting capacity at up to 600 Vac. LFD current limiters for thermal-magnetic circuit breakers are listed with Underwriters Laboratories under File E47239.

Table 12-538. Type LFD Current Limiter

| Circuit Breaker Rating Amperes | Catalog Number | Price U.S. \$ |
|--------------------------------|----------------|---------------|
| 15 – 70 | LFD3070R | |
| 80 – 160 | LFD3150R | |

Ground Fault Alarm Unit



The Ground Fault Alarm Unit is a remotely mounted device with a combination indicating light/test button that will light when the breaker trips or alarms on ground fault. The Ground Fault Alarm Unit requires a separate 120 Vac power source to power the light and the internal relay which has 1NO and 1NC contacts for remote indication. The Ground Fault Alarm Unit can be panel mounted for ordering with an optional face mounting bracket. For use on Digitrip 310 only, K- through N-Frame.

Table 12-539. GF Alarm Unit

| Description | Catalog Number | Price U.S. \$ |
|-------------------------|----------------|---------------|
| Ground Fault Alarm Unit | GFAU | |
| Face Mounting Bracket | 1264C67G01 | |

IQ Energy Sentinel

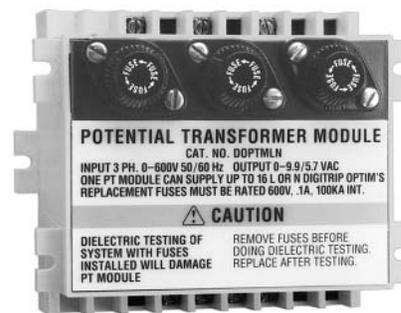


The IQ Energy Sentinel is a highly accurate, microprocessor-based, breaker-mounted device designed to monitor power and energy readings. It represents an alternative to watt meters, watt-hour meters, and watt demand meters. Key advantages include savings in space, lower installation costs, and remote monitoring capability.

The IQ Energy Sentinel mounts on the load side of a Series C F-Frame (150 ampere) circuit breaker. It can be applied on 3-phase, 4-wire systems, or single-phase, 3-wire systems with voltage connected through phases A and C.

For more information, see Descriptive Bulletin 8178.

Potential Transformer Module



The Potential Transformer Module is required for the Digitrip OPTIM 1050 to provide a voltage input to allow the trip unit to monitor power and energy as well as power factor. The Potential Transformer Module is a 6 VA transformer with a primary voltage input of up to 600 volt line to line. Three 0.1 ampere fuses are provided on the primary of the transformer and can be used for isolation purposes during dielectric testing. The device is normally panel mounted and can feed up to 16 OPTIM trip units.

Table 12-540. Potential Transformer Module

| Description | Catalog Number | Price U.S. \$ |
|------------------------------|----------------|---------------|
| Potential Transformer Module | DOPTMLN | |

Solid-State (Electronic) Portable Test Kit

The Solid-State (Electronic) Portable Test Kit provides verification of performance of all ratings of Digitrip 310 electronic trip units installed in circuit breakers while in service under varying load and/or phase imbalance. The test kit operates on 120-volt, 50/60 Hz power; it includes complete instructions and test times for testing long time, short time/instantaneous operation and optional ground fault operation of the circuit breaker.

Table 12-541. Portable Test Kit

| Description | Catalog Number | Price U.S. \$ |
|--|----------------|---------------|
| Solid-State (Electronic) Portable Test Kit | STK2 | |

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