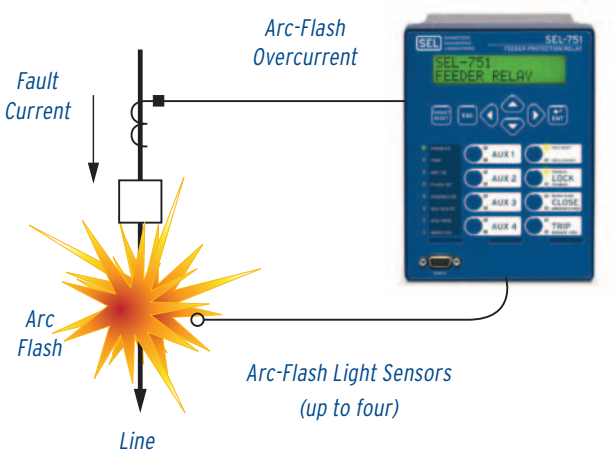
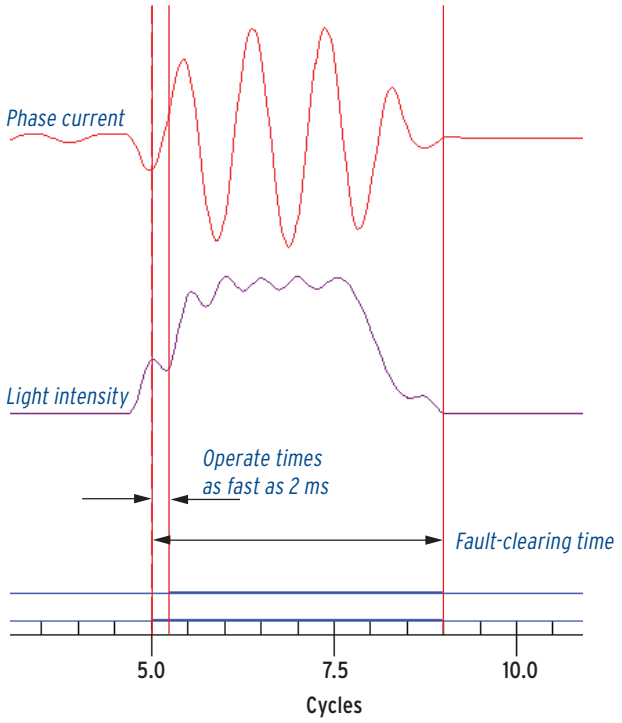
SEL-751 and SEL-751A

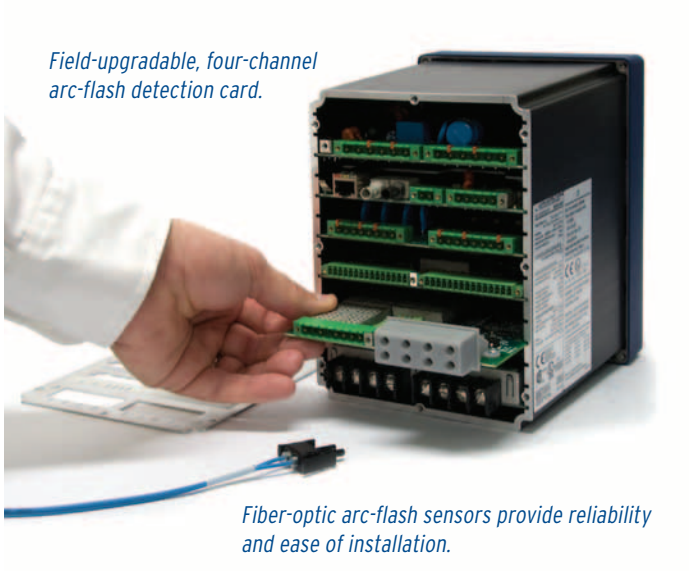
Feeder Protection Relay

High-Speed Arc-Flash Detection





Combined arc-flash detection and high-speed overcurrent protection provide fast tripping and security.



Field-upgradable, four-channel arc-flash detection card.

Fiber-optic arc-flash sensors provide reliability and ease of installation.

Features and Benefits

Improved Safety

Reduce arc-flash energy with fast detection and tripping. High-speed, high-current interrupting outputs minimize the total fault-clearing time.

Increased Security

Combine light-sensing technology with fast overcurrent protection to provide high speed without false tripping. Eliminate misoperation due to non-arc-flash sources.

Reliable Monitoring

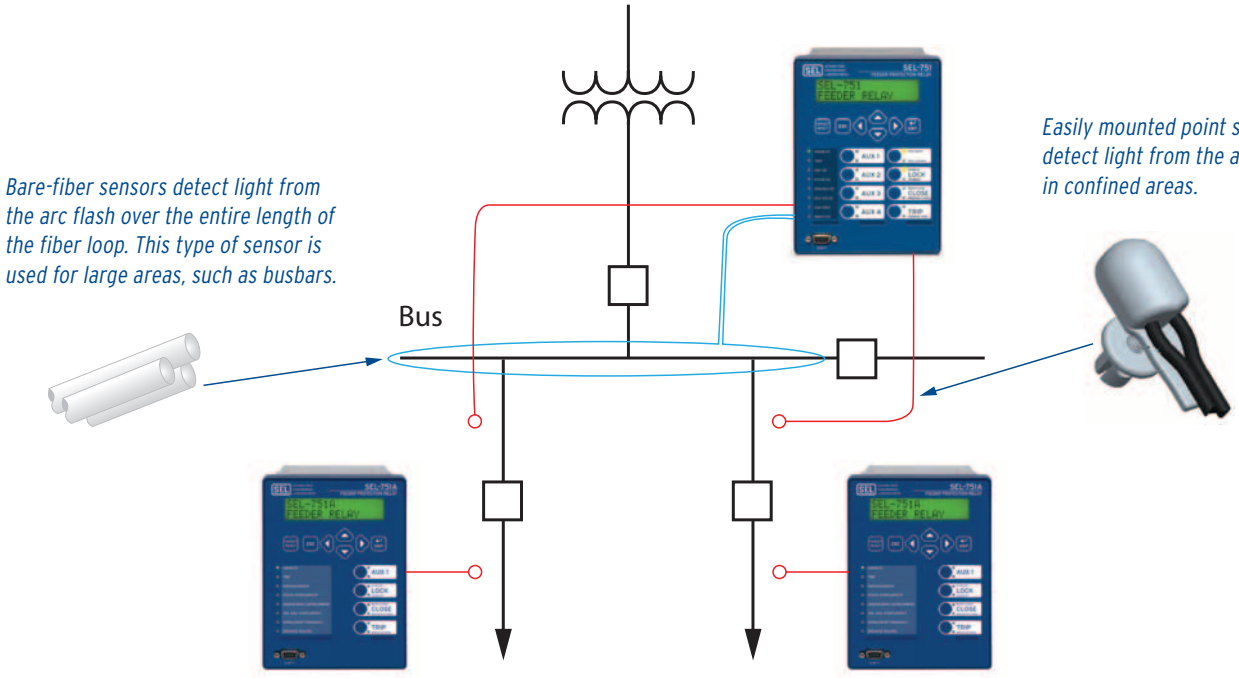
Monitor each of the four optical circuits and alarm on any malfunction with the automatic self-test feature. Uses rugged 1000 micron fiber.

Flexible Installation

Provide 100 percent coverage of the possible arc fault locations with a combination of bare-fiber sensors and point sensors. Install into new switchgear, or retrofit into existing equipment. Upgrade your SEL-751 and SEL-751A Relays with a field-installable arc-flash detection upgrade kit.

Making Electric Power Safer, More Reliable, and More Economical®

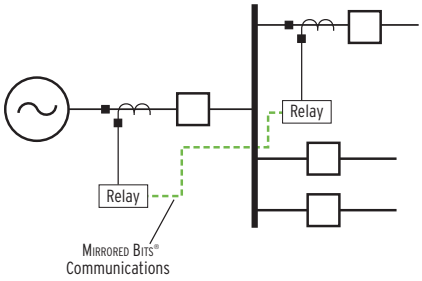
SEL-751 and SEL-751A Feeder Protection Relays With Arc-Flash Detection



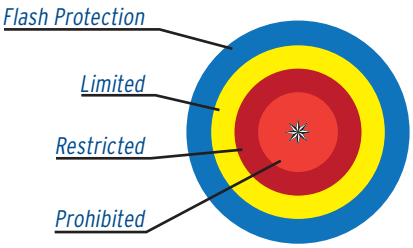
A combination of point sensors and bare-fiber sensors detects the intense light of an arc flash. Simultaneous overcurrent detection provides trip security.

Reduce Arc-Flash Hazards

In addition to arc-flash detection, the SEL-751 and SEL-751A provide several other methods to limit personnel exposure to arc-flash hazards. Reduce the danger of explosive arc-flash incidents by reducing the available fault current energy or removing personnel from the danger zone. Coordinate protection for faster clearing times, enable instantaneous elements while maintenance is being performed, and stay completely outside the danger zone with wireless or remote communications.



Program pushbuttons to activate instantaneous maintenance settings.



Coordinate Protection

Coordinate upstream fault protection with SEL Mirrored Bits® communications. Coordination and fast-bus trip schemes allow short delays (two or three cycles) for backup protection, reducing arc-flash energy.

Reduce Arc-Flash Energy

Use instantaneous elements during maintenance. Fast trip times limit available arc-flash energy, reducing danger of injury or equipment damage.

Stay Outside the Danger Zone

Remotely obtain metering, event, and maintenance information from the relay with Ethernet or serial communications. Optional delayed breaker tripping or closing via pushbuttons allows personnel to move to a safe distance.

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