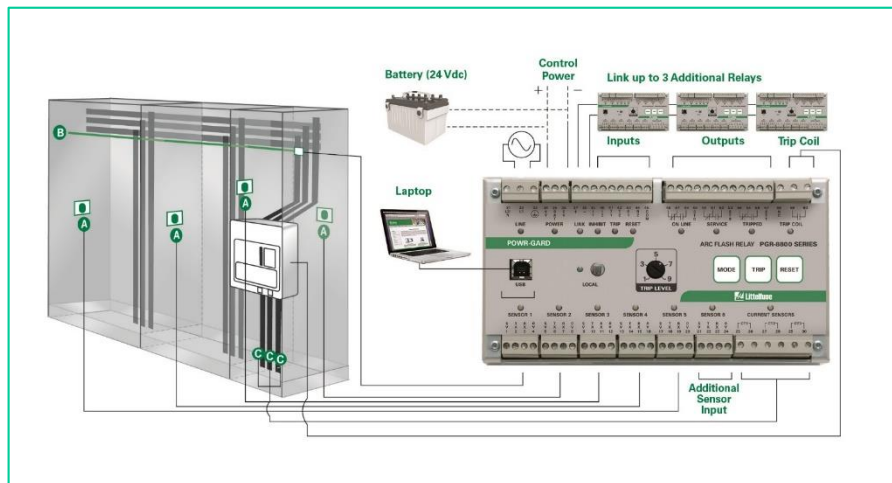# ARC FLASH PROTECTION

- **Mining, Oil & Gas**
- **Heavy & civil engineering**
- **Manufacturing & process**
- **Utilities**
- **Commercial/Industrial construction**

Littelfuse/Startco has a reputation for supplying competitive quality products & personalized technical support to design engineers, switchboard builders, asset/facility & maintenance managers who are responsible for ensuring smooth operations of equipment and site safety.

The ARC Flash range has key strengths and comes with the personalized service which includes working closely with customers, utilizing extensive knowledge and expertise to ensure that the product matches the application.

TransTech and Startco provide users full support "24/7".

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TRANSTECH

[Ultimate](link) ARC Flash Detection – PGR8800

The PGR-8800 is a microprocessor-based relay that limits arc-fault damage by detecting the light from an arc flash and rapidly tripping. Phase-current-transformer inputs are provided for current-constrained arc-flash protection and, when so equipped, a programmable definite-time overcurrent function can be enabled. An optical sensor on the PGR-8800 and adjustable trip level reduce the chance of nuisance tripping by setting a threshold for ambient light. Sensors, inputs, and connections are monitored to ensure fail-safe operation. A secondary solid-state trip circuit provides a redundant trip path. A USB port is used for configuration and access to event logs and graphs.

PGR 8800-0 From $2,413.00
PGA-LS10 point sensor from $206.00
PGA-LS20 8mtr fibre sensor from $1,122.00
PGA-LS30 18mtr fibre sensor from $1,632.00

ARC Flash Detection – AF0500

The AF0500 is a microprocessor-based arc-flash relay that limits arc-fault damage by detecting the light from an arc flash and rapidly tripping the feeder breaker. The unit is well suited for switchgear, transformer and power converter applications.

Sensors, inputs, and connections are health monitored to ensure fail-safe operation. A secondary solid-state trip circuit provides a redundant trip path. A USB port is used for configuration and access to event logs.

AF0500 includes an Ethernet interface and supports Modbus® TCP communication. Zone tripping, upstream breaker tripping and tie breaker tripping applications can be easily configured.

A number of control inputs allows interconnection of multiple AF0500 units to form a system.

Optical Sensors

The AF0500 accepts both PGA-LS10 point sensors and PGA-LS20/PGA-LS30 fiber-optical sensors. Thus any combination of fiber or point sensors is supported.

For fast fault location, front-panel and sensor LEDs indicate sensor health and which sensor detected an arc fault.

AF0500 from $2,023.00
PGA-LS10 point sensor from $206.00
PGA-LS20 8mtr fibre sensor from $1,122.00
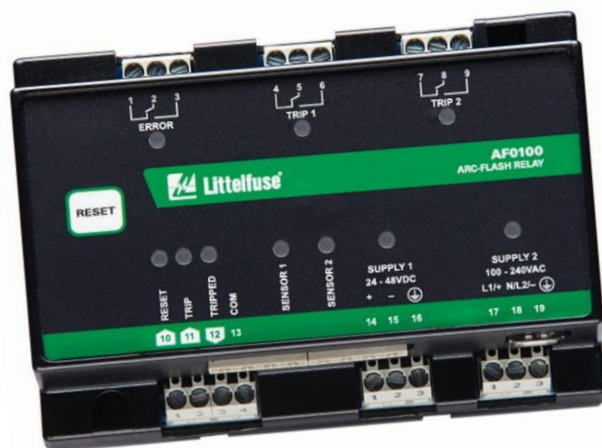PGA-LS30 18mtr fibre sensor from $1,632.00

[Low Cost](link) ARC Flash Detection – AF0100

The AF0100 Series arc-flash relay is a cost-effective solution that reduces arc-fault damage by detecting the light from an arc flash and rapidly tripping. Two remote light sensors can be connected to one relay and multiple AF0100 and/or AF0500 relays can be connected to monitor additional sensors, providing complete coverage for a wide range of applications. The compact, DIN-rail or surface-mountable body makes this an ideal solution for equipment manufacturers.

Two isolated Form-C contacts are provided for applications with multiple devices that must be tripped. This is especially useful for generator applications where the generator and breaker need to be tripped in case of an arc flash.

The AF0100 accepts PGA-LS10 point sensors and PGA-LS20/ PGA-LS30 fiber-optic sensors in any combination. Sensor health is continuously monitored to ensure fail-safe operation. A solid-state redundant trip circuit provides an internal fail-safe mechanism and fast arc-flash response during power up.

Front-panel and sensor LEDs indicate sensor health and fault location.

AF0100 from $1,473.00
PGA-ILS10 point sensor from $206.00
PGA-LS20 8mtr fibre sensor from $1,122.00
PGA-LS30 18mtr fibre sensor from $1,632.00

NOTE: Prices are plus delivery and are subject to change without notice

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