

D0920 ARC-FLASH RELAY

Arc-Flash Relay

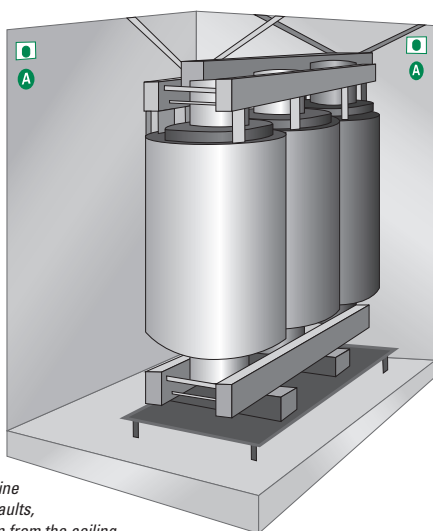


Description

The D0920 Arc-Flash relay provides a simple and cost effective solution for Arc-Flash monitoring. Two light sensors can be connected directly to one relay.

Light Sensors react to light and are available with 180° detection area. Sensors are supplied with 10 or 15 m of cable. 1-2 sensors are recommended per cubicle or drawer.

Installation Diagram



Place sensors in direct line of sight to possible arc faults, preferably pointing down from the ceiling.

Ordering Information


ORDERING NUMBER	CONTROL POWER
D0920.0010	230 V AC +/-30%
D0920.0020	230 V AC +/-30%, remains powered on after trip


ACCESSORIES	REQUIREMENT
A0033.0010 Detector cable 2 x 0.25 mm ² w/screen. 100 m	Optional
A0220.0010 Arc Detector V-Type; 10 m cable	Required: At least 1 sensor per cubicle or drawer
A0220.0020 Arc Detector V-Type; 15 m cable	
PGA-1100/D1100 Diode Logic	Optional

Features & Benefits

FEATURES	BENEFITS
Compact module	Fits into wide range of Arc-Flash applications
Trip time <1 ms	Limits Arc-Flash damage and risk of injury
Two optical sensor types	Point sensors with 180° detection area
Dual sensor input	Single Arc-Flash relay can monitor 2 sensors
Adjustable light sensitivity	Allows for operation in bright environments and maximum sensitivity in dark environments
Service mode	Allows for system test without tripping

Accessories

A  **A0220 Light Sensors**
 Line-of-sight light sensor detects an arc as small as 3 kA within a 2-m half-sphere. Available with 10 m, or 15 m cable.

 **PGA-1100/ D1100 Diode Logic**
 For tripping one circuit breaker with multiple D0920 Relays

Specifications

Voltage Supply	230 V AC +/-30%
Thyristor Output	250 V DC, from charged capacitor, load 50 mA
Signal Output	2 freq, 220V AC/DC 1A max.50W.
Sensitivity	Adjustable 2,000-24,000 lux
Number of Sensors	Max. 2 pcs. directly to one relay
Response Time	Less than 1 ms
Power Consumption	3.5 W
Ambient Temperature	-25°C to +70°C
Dimensions	H 90 mm (3.5"); W 105 mm (4.1"); D 75 mm (3.0")
Certification	CE
Protection Class	IP 20