

A0220

Arc Detecting Point Sensor



Description

The A0220 Arc Detector is a photo electric sensor. It has a sensitive area of 180°. Sensor signal is a mA current signal of 0.5 mA / klux. The sensor includes 10 m of shielded two-wire electrical cable which can easily be shortened or extended to a maximum of 50 m. Use Belden 85240 or equivalent cable (2x 0,50 mm²).

The sensor is compatible with the D0100, D0900, D0910, D0920, D1000 and PGR-8800 Littelfuse Selco Arc Flash Relays.

A0220 Sensor Installation

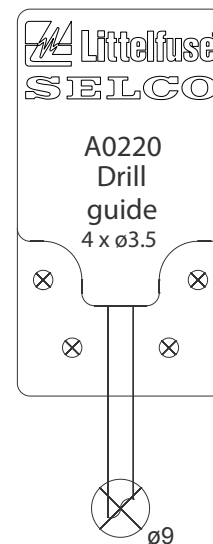
The sensors include an adhesive-backed drill template for easy surface or panel-mount installation. All dimensions are shown in millimetres.

Affix the drill template where the sensor is to be mounted. Either M4 or M5 screws or pop rivets (4 mm or 5 mm) can be used.

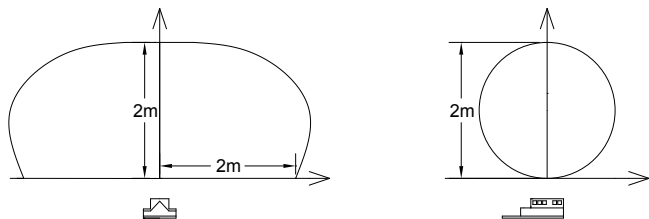
Mounting screws are M4 for the top holes. This template matches the mounting dimensions for the A1000 or PGA-LS10 sensor.

The bottom mounting holes are either for 5mm self-drilling screws (3,5mm drill) or for M5 (4,2 mm drill). This template matches the mounting dimensions for the A0200 and A0300 sensors.

For placement of sensors please refer to the relay manual.



Detection range for a 3kA fault



ORDERING NUMBER

A0220.0010

Connection to D0100, D0900, D0910 and D0920 relays:

SENSOR WIRE	TERMINAL
RED	1
GREEN	2
SCREEN	3

Specifications

Sensitivity:	0,5 mA/ klux
Range for D0100, D0900, D0910 and D0920:	2 klux to 30 klux
Range for D1000 and PGR-8800:	10 klux to 30 klux
Ambient temperature:	-25 °C to +70 °C.
Degree of protection:	IP65

Type Selection Table:

A0220 Arc Detector incl. 10m cable

Connection to D1000 and PGR-8800 relays:

SENSOR WIRE	SENSOR 1 TERMINAL	SENSOR 2 TERMINAL	SENSOR 3 TERMINAL	SENSOR 4 TERMINAL	SENSOR 5 TERMINAL	SENSOR 6 TERMINAL
GREEN	4	8	12	16	20	24
RED	3	7	11	15	19	23
SCREEN	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis