

Spark/Arc Detection System from Scanning Devices, Inc.

Space Saving - Arc Detection

Our new arc detection system is especially well suited to applications where space for electronics is limited. This new design eliminates the need for a stand-alone photoelectric amplifier and socket. The electronics are integrated into the same small enclosure that contains the dual optical sensors.

The 130D series sensors are available as Current Source or Current models for wiring directly to control equipment. The sensor has adjustable sensitivity and a red LED that indicates when output is activated. Output is activated when infrared impinges on the photo sensors, (i.e. an arc, or spark, is detected in the viewing area).

The sensor has two built-in photo sensors to assure coverage of the viewing area and a 20' cable for connection to control equipment. The unit is epoxied to protect the electronics from the external environment.



130 Series Arc Detection Sensor

- Ideal for applications with limited space for electronics
- Dual sensors provide enhanced view of targeted area
- Adjustable set point and sensitivity
- Output activated on infrared detection
- Peak Sensitivity: 875 nanometers (near infrared)
- Red LED indicator shows output state
- Typical response time: 200 μ s
- Outputs Available: Current Sink or Current Source
- Wire directly to PLC/control electronics
- 20' twisted pair cable
- 10-30 VDC
- Enclosure: ABS plastic with epoxy encapsulation
- Dimensions: 2 1/4" * 1 7/16" * 3/4"
- Temperature Range: -20 C to + 70 C
- 3 available mounting holes

| <u>Part Number</u> | <u>Description</u> |
|--------------------|--------------------------------|
| 130D-P | - 24VDC, Current Source Output |
| 130D-N | - 24VDC, Current Sink Output |