

SOLART-SYSTEM LTD

An Engineering Company for Solar Energy

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ARC SENSORS

The Arc Sensors have been developed for sensing the light of the electrical arc and they can sense very broad range of light spectrum from the ultraviolet to the infrared.

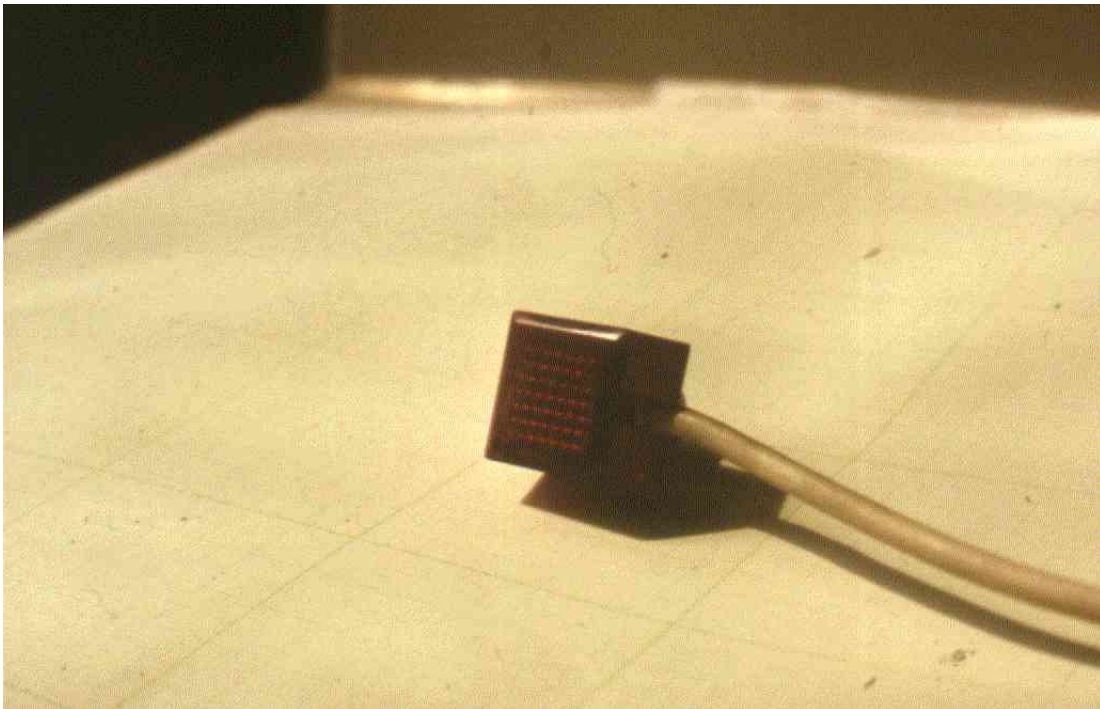
The Arc Sensors respond very rapidly with powerful electrical signals without any electrical power supply to the effect of electrical arc.

The Arc Sensors can drive directly the electronic switch i.e. Electrical Arc Sensing Devices.

The Arc Sensors consist of semiconductor based sensing elements being housed in a hermetically closed plastic unit which can be mounted by insulated screw with two zinc plated steel nuts/washers to the electrical equipment being protected.

The Arc Sensors are provided with different length of electrical cables shielded and a BNC terminal at the end.

The Arc Sensors have been manufactured and tested very thoroughly by using up-to-date photovoltaic solar technology.



The main technical data

Dimensions

- plastic unit : 21x21x16 mm
- insulated screw
 - free length : 20 mm
 - worm : 8 mm metric
- length of the cables :
7 m (AS-11); 6 m (AS-1); 5 m (AS-12); 4 m (AS-13); 12 m (AS-14)
- weight : approx.
170 gr.(AS-11); 150 gr. (AS-1); 130 gr. (AS-12); 110 gr. (AS-13); 280 gr. (AS-14)

Electrical data

$U = - 70 \pm 10 \text{ mV at } 25 \text{ kLux}$

$U = - 90 \pm 10 \text{ mV at } 30 \text{ kLux}$

measuring on 15 Ohm load resistance at 25 °C and illuminating with iodine lamp.

central terminal "-" pole
grounded terminal "+" pole

