

# A60 Arc Flash System Guideform Specification

## OBSOLETE

The following is the Arc Flash System specification. This specification will detail the requirements of the Arc Flash System.

The Arc Flash module shall be equipped with the following functions as described in this document.

- The arc flash system's primary detection method will utilize a combination of light and pressurized sound in order to detect an arc flash condition.
- The arc flash system shall be able to detect an arc flash condition in as low as 2ms.
- The arc flash system shall be able to continuous operate and be available in 24 x 7 operations
- The arc flash system shall be relay independent and operate as a stand-alone unit
- The arc flash system shall have point sensors that are capable of detecting the arc flash through light and pressurized sound and shall connect to the arc flash system unit through one (1) fiber optic cable
- The arc flash system shall be able to incorporate up five (5) point sensors in one device
- The arc flash system shall have the following LED's:
  - Status
  - Trip
  - Trouble
- The arc flash system shall be scalable allow for the inter-connection of multiple arc flash system units that can be used as one complete system
- The arc flash system shall have self-diagnostics and shall initiate a trouble LED should any failure occur with the unit or the arc flash sensors.
- The arc flash system shall have five (5) solid state output relays used for high speed initiation of an arc flash condition
- The arc flash system will be equipped with a critical fail relay
- The arc flash system shall be equipped with six (6) digital inputs
- The arc flash system shall be provided with the provision of a supervisory input circuit
- The arc flash system sensor shall be available with various fiber cable lengths
- The arc flash relay shall be equipped with a reset button to reset the system
- The arc flash system shall not require any set-up software to program
- The primary method of mounting the arc flash system shall be via DIN rail