



A New Way to Protect Your Cotton Gin from Sparks & Fire



Argus Fire Control has developed a high speed spark detection system to provide cotton gins with a reliable early warning fire detection system for the production line.

The Argus 535 Infrared Spark Detector will detect a single spark and within 50 milliseconds pinpoint the location of the spark or fire, trigger visual and audible alarms, and stop all or some of the production machinery and fans.

Since 1965, Argus Fire Control has been protecting textile mills & cotton gins from fire in more than 1000 locations around the world.

The Argus 535 Infrared Spark Detector

- Detects a single spark in 5 milliseconds.
- Detects sparks at speeds up to 60 meters (200 ft) per second.
- Patented design and circuitry eliminates reaction to static electricity.
- Operates in temperatures from -40°C to +85°C.
- Low voltage 24 volt operation.
- Available in indoor and outdoor models.



ARGUS

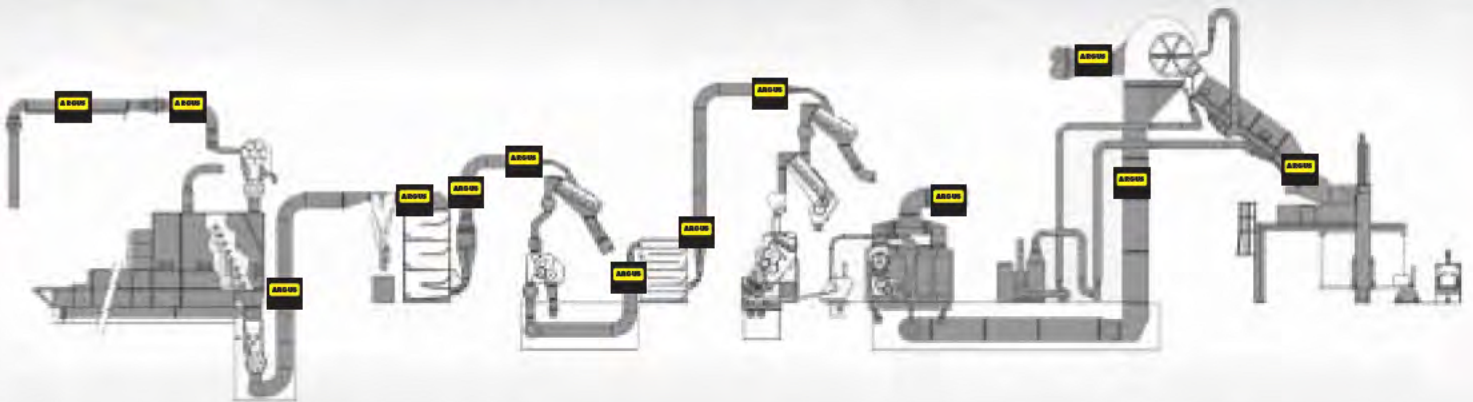
Fire Protection System for Cotton Gins



Fire Protection System - Sequence of Events

- A single spark or ember is detected by the Argus 535 Infrared Spark Detector.
- The Argus 535 sends a signal to the Argus XTRA control panel.
- The Argus XTRA control panel triggers individual machine stop, with capability to stop the entire production line if needed.
- Audible and visual alarms are activated to alert gin staff.
- Total elapsed time from spark detection to machine stop and alarm – **only 50 milliseconds**

Argus 535 Infrared Spark Detector Locations - Cotton Gin



- After Module Feeder
- Before and after Stick Machine
- Before and after Lint Cleaner
- Trash pipes
- Before Mote Press
- Before Bale Press

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