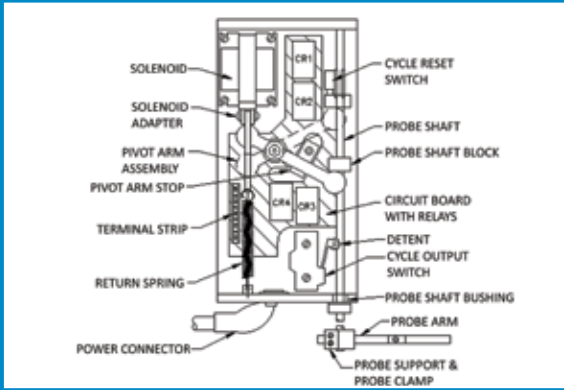


Electric Safety Switch– Model SAF-6



Our Standard All Electrical Version

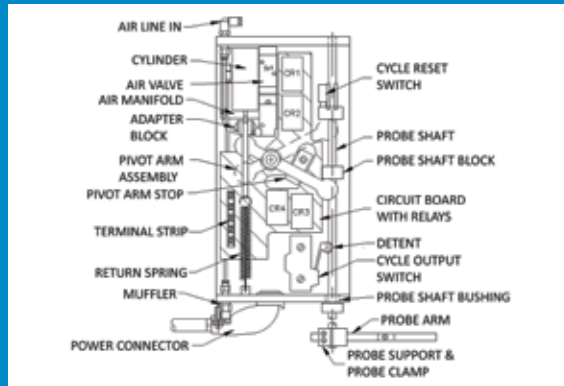


- Electro-mechanical operation, 115 V, 60HZ, 1ph 20 amp capacity
- Adjustable Stroke, 2.00" max.
- Cycles per minute, 40 max.
- Housing dim. 9 3/8"H x 4 5/8" W x 2 1/2" D
- Weight, 5 lbs.

Model SAF-6 (Electric Solenoid Operated)

SEQUENCE OF OPERATION: upon activation, the solenoid retracts. The probe arm falls to the work area allowing the spring loaded roller ball switch to enter the detent on the probe shaft causing an **electrical output** signal to cycle the machine. De-energizing the solenoid will allow the probe arm to retract to full up position before subsequent operation is permitted.

Electro-Pneumatic Safety Switch– Model SAF-6N



A New Higher Duty Cycle Model for High Duty Production

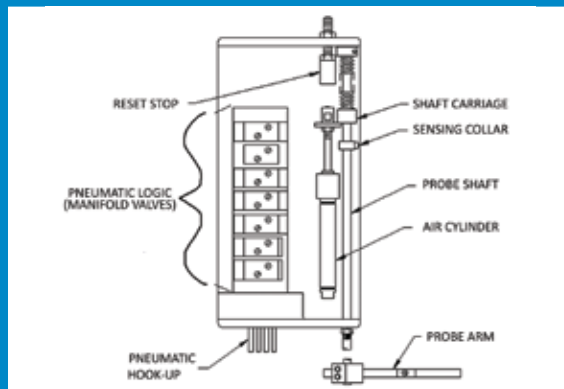


- Electro-pneumatic operation, air requirement 60-100 psi supply pressure
- Adjustable stroke, 2.00" max.
- Cycles per minute, 40 max.
- Housing dim. 9 3/8" H x 4 5/8" W x 2 1/2" D
- Complete with filter, regulator and air connection
- Weight, 5 lbs.

Model SAF-6N (Electro-Pneumatic Operated)

SEQUENCE OF OPERATION: upon activation the air cylinder retracts. The probe arm falls to the work area allowing the spring loaded switch with roller to enter the detent on the probe shaft causing an **electrical output** signal to cycle the machine. The air valve must be released allowing the probe arm to retract to full up position before subsequent operation is permitted.

Pneumatic Safety Switch– Model SAF-3/93



Our Standard All Pneumatic Version



- Pneumatic operation, air requirement 60-100 psi supply pressure
- Adjustable stroke, 2.00" max.
- Cycles per minute, 80 max.
- Housing Dim. 9 3/8" H x 4 5/8" W x 2 1/2" D
- Weight, 5 lbs.

Model SAF-3/93 (Pneumatic Operated)

SEQUENCE OF OPERATION: upon activation, the air cylinder retracts. The probe arm falls to the work area where the shaft carriage meets the sensing collar causing a **pneumatic output** signal to cycle the machine. The start valve must be released allowing the probe arm to retract to full up position before subsequent operation is permitted.

The Black & Webster/Air-Hydraulics Protectoswitch is an ideal way to protect your operators from pinch point accidents.

When the operator initiates a hand or foot switch to activate the machine, the Protectoswitch intercepts the start signal and automatically drops a probe around the work area. If an obstruction is sensed the machine will not fire until the obstruction is removed. If the work area is free of obstructions, the probe falls to its full stroke which closes an actuating switch to fire the machine.



Simplicity of design is the key to providing years of maintenance-free operation. Available in both electromechanical and pneumatic versions to eliminate interface problems and allow ease of installation.

Readily installed on all Black & Webster/Air-Hydraulics equipment or that of other manufacturers.

The Protectoswitch is supplied with a straight 24" long aluminum probe that must be shaped to the configuration of both the lower and upper tooling. Plastic sleeves are available in 1 1/2" and 2 1/4" and 3" diameters for adapting to the end of the probe.

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P.O. Box 831

Jackson, MI 49204-0831



Black & Webster
Assembly Equipment Division

The Black & Webster Assembly Equipment Division was incorporated into Air-Hydraulics in 1990. This addition provides a wider product line offering Pneumatic Presses, Electric Impacting Devices, and Safety Devices.

Safety Is No Accident

• *A Simple, Cost-Effective Way to Increase Operator Confidence and Productivity*

Electric Safety Switch



Electro-Pneumatic Safety Switch

Pneumatic Safety Switch



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Document No.: Protecto01 Revision: Original