

Automation Devices, Inc.

MODEL 8900 JET-TRON INSTRUCTIONS

The Jet-Tron is a low pressure switch that is operated by directing a low pressure air stream against the diaphragm of the unit. An interruption or blockage of the air stream causes a reversal of the switch contacts, which may in turn operate a feeder, conveyor or escapement. The air stream may be directed across a gap up to 3" wide.

For convenient mounting, the Jet-Tron is supplied with a bracket. The 1/4" plastic tubing is to be connected as shown below. The secondary (inlet) tubing has a reduced inside diameter to provide a time lag in the switching operation. The primary (air supply) tubing should be connected to the pressure regulator as shown. The regulator is then connected to any clean air supply of 40 to 120 PSI.

The pressure regulator is to be adjusted until the normally open terminal (R-W) closes. Any obstruction of the air gap will cause R-W to open. This signal can be used to control other equipment. When used with a vibratory feeder, use terminal R-B. The proper operating pressure will vary with gap distance, object size or weight. The set point adjustment is under the cover. (See sketch on opposite side of this page).

The switch portion of the Jet-Tron detector is rated at 7 Amps at 120 Volts AC. (3.5 Amps at 240 Volts AC) with an inductive load.

NOTE: As a safety precaution, do not operate the Jet-Tron for any length of time without the cover in place.

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