

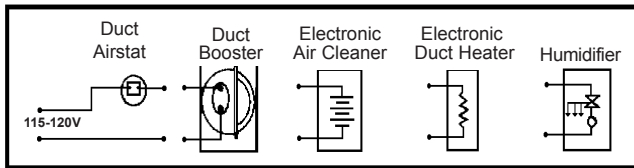
TJERNLUND MODEL PS1503 POSITIVE AIR FLOW PRESSURE SWITCH

The Tjernlund Duct Airstat senses positive pressure in a forced air heating and/or cooling system. The single pole, single throw, snap-acting switch is activated by a diaphragm with a factory installed sampling tube inserted directly into the duct or plenum.

The Duct Airstat can be used to initiate such auxiliary devices as: Duct Boosters, Electronic Air Cleaners, Electrical Duct Heaters, and Humidifiers. The electrical contacts of the switch are closed upon sensing positive air pressure generated by the blower.



TYPICAL APPLICATIONS



FEATURES

- High Sensitivity
- Maximum Temperature Limit of 190° F.
- Simple Installation
- Self-Sealing Factory Mounted Sampling Tube
- Mounting Hardware

GENERAL SPECIFICATIONS

ELECTRICAL RATING:

278 VA Pilot Duty at 24 Volts AC
300 VA Pilot Duty at 115 to 277 Volts AC
15 AMPS Non-Inductive to 277 Volts AC

ELECTRICAL SWITCH:

SPST, N/O, Snap Action Contacts, Non Adjustable

OPERATING PRESSURE / POSITION:

On pressure rise at $+0.05 \pm .02$ " W.C. (Diaphragm Vertical)

MAXIMUM PRESSURE:

1/2 PSI

OPERATING TEMPERATURE RANGE:

-40 to 190° F.

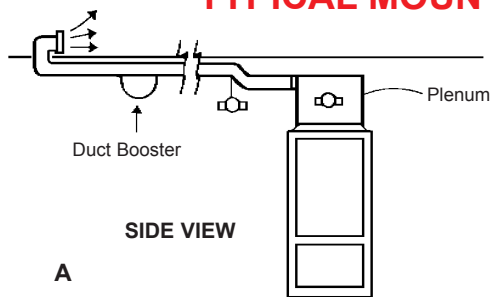
SAMPLING TUBE:

Self-sealing, factory mounted tube

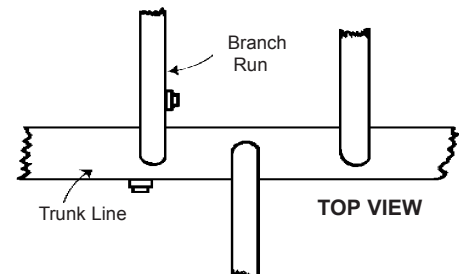
DIMENSIONS:

5" Diam., 5 1/2" Across Bracket, 3" High

TYPICAL MOUNTING LOCATIONS & APPLICATIONS

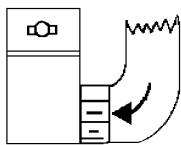


SWITCH MUST BE MOUNTED WITH DIAPHRAGM IN VERTICAL POSITION



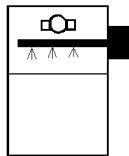
Switch activates Duct Booster by sensing positive pressure on either plenum, trunk, or branch lines as shown in Figures A and B above.

ELECTRONIC AIR CLEANERS



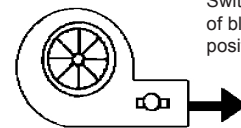
Switch actuates air cleaner by sensing positive plenum pressure.

HUMIDIFIERS



Switch activates humidifier by sensing positive plenum pressure.

FAN OPERATION



Switch proves operation of blower by sampling positive pressure.

Distributed By:



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