

Static Pressure Controller

- Air Pressure Sensing Switch
- For Use with POC and RPOC Dampers
- Adjustable Air Switch Set Point Range
- Included with MBD Modulating Damper

GENERAL DESCRIPTION

The **SPCKIT** is a static pressure switch designed to sense positive pressure in the plenum for the purpose of controlling the modulating bypass position.

The plastic housing contains a diaphragm, a calibration spring and a snap-acting SPDT switch. The sample line connections located on each side of the diaphragm accept flexible tubing. The clear cover guards against accidental contact with the live switch terminal connections and the set point adjusting knob.

Pitot tube (air probe) for mounting in tubing and flexible poly tubing included with each SPC.

Initial Position Relay opens damper at end of call, preventing rush of air noise at start of next cycle.

Red/Green flashing LED indicates damper modulation.

Mounting

Select a mounting location which is free from vibration. The **SPC** must be mounted with the diaphragm in any vertical plane in order to obtain the lowest specified operating set point. Mount with the sample line connections in the "DOWN" position. Use standard sheet metal screws through at least two of the four mounting holes.

Air Sample Connection

The **SPC** is designed to accept flexible tubing by means of 1/4" slip-on connections. A 12" piece of 1/4" ID Flexible tubing is included with the SPC as well as a Pitot Tube for mounting in the plenum. Locate the sampling probe a minimum of 2 feet downstream from the air source. Install the sampling probe as close to the center of the airstream as possible. Do not allow supply pressure to blow directly into the Pitot Tube. Connect the provided flexible tubing to the **High-Pressure Inlet** (bottom inlet)



Technical Data

Set Point Range	.08" w.c. to 1.20" w.c.
Pressure Connections	P1 (+) High Pressure P2 (-) Low Pressure
Switching Differential	20Pa (0.08" w.c.)
Maximum Pressure	10KPa
Operating Temperature	-4 Deg F to +140 Deg F
Electrical Rating	1.0 Amp MAX
Contact Arrangement	SPDT
Electrical Connections	R,C & Com to Equip C, PO & PC to Damper
Cable Connection	1/2" Gland Connector
Sample Line Connections	1/4" ID Tubing
Weight	5.6 Oz