SUBMITTAL

DESCRIPTION

The STRDBP includes a factory mounted actuator and electronic static pressure sensor controller used to control static pressure in zoned systems. STRDBP are available from 20", 22", and 24" round. The Electronic Static Pressure Controller is adjustable, controlling a modulating bypass damper to maintain static pressure as zone dampers modulate. The bypass system reduces air noise from the supply outlets caused by excessive air velocity.

When the system is satisfied, the bypass damper will remain 25% open, if intermittent fan is used. On systems utilizing continuous fan operation, bypass will modulate based on system static. Bypass controller is adjustable to maintain static pressure from .15" - .95" W.C. The Integrated Static Pressure Control (IPC) includes a quick start option or may be field adjusted to specified static pressure.

The electronic bypass is a modulating damper used for bypass applications. Bypass dampers are available from 6" – 24" round and 10"x10" – 40"x40" rectangular with a maximum pressure differential of 1.75" W.C. STRDBP dampers feature a round frame and triple V blades for automatic air control. Damper cylinders and blades are fabricated from 16 gauge steel. Each damper is built with low leakage seals and stainless steel bearing. STRDBP dampers feature 24V ac, full stall motors which do not require end switches.

TECHNICAL DATA

Electrical:
Supply Voltage: 24vac
Power consumption: 2 VA maximum (1.5W)

Environmental:
Operating temperature: 25 to 180° F (-32 to -83°)
Operating humidity: 10-95% non-condensing
Storage temperature: -25 to 180° F (-32 to -83°)

General:
Shell: 16 gauge cold rolled galvanized steel
Shaft: 1/2" dia. aluminum, hexagonal
Bushings: Synthetic
Actuator: Power Open/Power Close
Stroke: 90°
Pressure drop: < .04" W.C. @ rated CFM

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