

SUREFLOW™ MODEL 8682-ST STATIC PRESSURE CONTROLLER

Description

The Model 8682-ST SUREFLOW™ Static Pressure Controller is designed to maintain constant duct static pressure in up to five independent ducts.

The Model 8682-ST measures the pressure differential using a pressure transducer. It is easily configured to accept different pressure transducer ranges, allowing it to be used for almost any duct.

The Model 8682-ST will independently modulate dampers or variable frequency drives to maintain the proper duct static pressure in up to five separate systems. If any of the static pressures are too great or too small, the Model 8682-ST will activate audible and visual alarms. An adjustable alarm delay avoids nuisance alarms from short-term transient conditions.

The Model 8682-ST easily integrates to the building management system using alarm relays, an analog output of the measured static pressure, or digital communications. The Model 8682-ST supports the open Modbus® protocol.



Features

- Maintaining constant static pressure minimizes fan operating costs
- Single controller for five systems minimizes installed cost of controls
- Direct pressure measurement provides continuous monitoring
- Audible and visual alarms warn staff of unsafe conditions
- Easy communication to building management system
- Convenient keypad and display support local programming
- Passwords prevent unauthorized access to controller functions

Selection Chart

	8682-ST
5 Independent Control Outputs	•
5 Low Alarm Contacts	•
Modbus® Communications	•

Items Included

Digital interface module
DDC summing panel
Transformer, 120:24 VAC, 50 VA
Transformer cable, 25 ft (762 cm)

Hardware Options

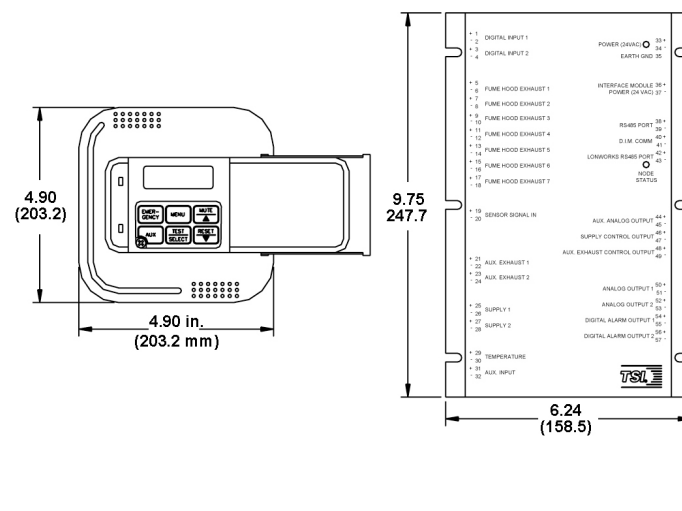
Electric Actuator
Electric Actuator/Damper assembly
Pressure transducer
Remote audible alarm

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Digital Interface Module Specifications

Display Range	Pressure transducer range
Pressure Transducer Input	0 to 10 VDC
Low Alarm Range	To 0.005 in. H ₂ O (1.2442 Pa) of pressure transducer range
High Alarm Range	To 0.005 in. H ₂ O (1.2442 Pa) of pressure transducer range
Low Contacts	Max current 5A, Max voltage 150 VDC, 250 VAC Min switch load 10 mA, 5 VDC
Control Output (5)	0 to 10 VDC
Operating Temperature	32 to 120°F (0 to 48.8°C)
Input Power	24 VAC, 5 W max
Weight	0.7 lb (0.3 kg)



Specifications subject to change without notice.



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