

SUREFLOW™ Model 8635-ST Static Pressure Controller

Description

The Model 8635-ST SUREFLOW Static Pressure Controller is designed to maintain a constant duct static pressure.

The Model 8635-ST controller measures the actual static pressure using a pressure transducer. The Model 8635-ST controller is easily configured to accept different pressure transducer ranges, allowing it to be used for almost any duct.

The Model 8635-ST controller will modulate a damper or variable frequency drive to maintain the proper duct static pressure.

The Model 8635-ST easily integrates to the building management system using alarm relays, an analog output of the measured static pressure, or digital communications. The Model 8635-ST supports the open MODBUS protocol.



Benefits

- Maintaining constant static pressure minimizes fan operating costs
- 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

	8635-ST
Control Output	•
Low Pressure Alarm Contact	•
High Pressure Alarm Contact	•
MODBUS & Cimetrics Communications	•

Items Included

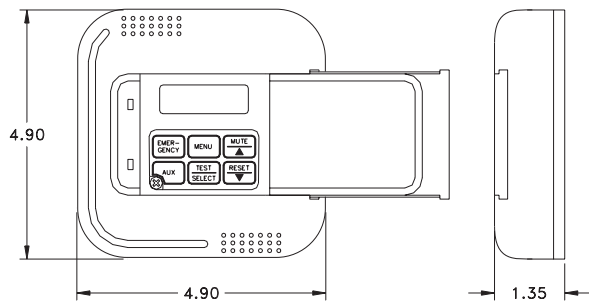
Digital interface module
Transformer, 120:24 VAC, 25 VA
Transformer cable, 25 ft

Hardware Options

Electric damper/actuator assembly
Pneumatic damper/actuator assembly
Pressure transducer
Remote audible alarm

Digital Interface Module Specifications

Display Range	Pressure transducer range
Pressure Transducer Input	0 to 5VDC, 0 to 10VDC
Low Alarm Range	To 0.005 in. H ₂ O of pressure transducer range
High Alarm Range	To 0.005 in. H ₂ O of pressure transducer range
Low and High Alarm Contacts	SPST (NO) Max current 5A, max voltage 150VDC, 250VAC Min switch load 10 ma, 5VDC
Control Output	0 to 10VDC
User Configurable Analog Output	Signal: 0 to 10V or 4 to 20 mA Range: pressure transducer range
Operating Temperature	32 to 120°F
Input Power	24VAC, 5 W max
Weight	0.7 lb



Specifications subject to change without notice.



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