

## 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.



### Benefits

- 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 & Cimetrics Communications	•

### Items Included

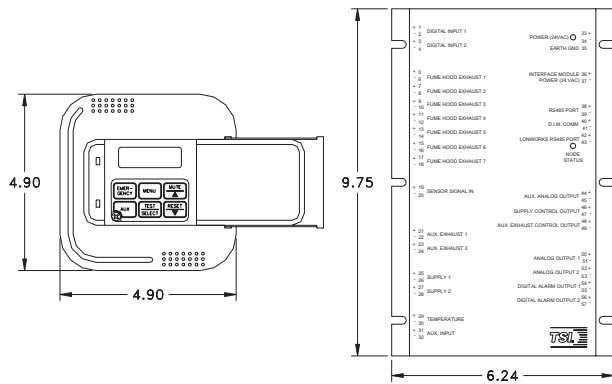
Digital interface module  
 DDC summing panel  
 Transformer, 120:24 VAC, 25 VA  
 Transformer cable, 25 ft

### Hardware Options

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

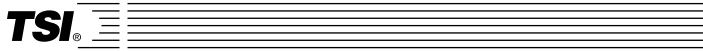
# Digital Interface Module Specifications

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



Specifications subject to change without notice.

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