

## SUREFLOW™ Model 8682 Adaptive Offset Controller

### Description

The Model 8682 SUREFLOW Offset Controller is an excellent laboratory room controller. A stand-alone device, the Model 8682 ensures that the exhaust volume is greater than the supply volume for negative spaces, and less than the supply volume for positive spaces.

The Model 8682 easily integrates to the building management system, using digital communications, such as LonWorks®, BACnet, or Modbus®, or alarm relays and analog outputs.



### Features

- Stand-alone room control provides system reliability
- Offset control ensures stability of HVAC system
- Audible and visual alarms warn staff of potentially unsafe conditions
- Network communications allow for building-wide control efficiencies
- Convenient integral keypad and display support local programming
- Passwords protect unauthorized access to controller functions

### Selection Chart

	8682	8682-LN	8682-BAC
Controls Supply and General Exhaust for Room Balance	•	•	•
Controls Reheat and Supply for Temperature	•	•	•
Unoccupied Mode Reduces Supply Volume	•	•	•
Controls Dampers	•	•	•
Controls Venturi Valves	•	•	•
Analog and Relay Outputs for Flow	•	•	•
Analog and Relay Outputs for Pressure	•	•	•
LonWorks Communications		•	
Modbus & Johnson Controls' N2 Communications	•		
BACnet MSTP Communications			•

### Items Included

Digital interface module  
Adaptive offset control module  
Through-the-wall pressure sensor  
Controller output cable, 25 ft  
Transformer, 120:24 VAC, 25 VA  
Transformer cable, 25 ft

### Hardware Options

Electric actuator/damper assembly  
Pneumatic actuator/damper assembly  
Electric actuator/venturi valve assembly  
Flowstation  
1000 Ω platinum RTD temperature sensor  
Remote alarms

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