

Application

The controller accepts an analog output from a factory supplied pressure transducer on a Greenheck AMS airflow measuring station or AMD airflow measuring damper to calculate the real-time volumetric airflow rate (cfm) going through the unit. Using PID logic the controller then controls the damper's actuator to achieve a target cfm setpoint. The cfm setpoint can be established either remotely via an analog input to the controller or locally using touch sensitive buttons on the cover of the controller.

The controller comes from the factory configured with the physical parameters of the AMD/AMS it was ordered with. These parameters include:

- Flow Measurement Device
- The unit's K & M Values
- Maximum Pressure
- Damper Area
- Maximum Velocity
- Minimum Velocity



Specifications

Input Power

2-32 VDC, 18-28 VAC

Output

0-10 VDC (PID output)

0-10 VDC (pressure or flow)

N.O. Digital (configurable)

Input

Override (dry contact)

Current Usage

100 mA max.

LCD Display

Pressure, CFM, FPM

Control Modes

Pressure (Direct and Airflow - cfm (m³/hr)

Velocity - fpm (m/sec)

Mounting

4- exterior holes for #10 screws

Enclosure Material

UV- resistant polycarbonate UL94V-0

Enclosure Rating

IP66, NEMA 4

Environmental Operating Range

-13° to 175°F (-25° to 79°C)

0-95% RH non-condensing

Document Link



[INSTALLATION](#)