



Vari-Green® Controller for AMD series and AMS

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 realtime 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

The controller comes from the factory with the parameters in the field configuration menu set to the most commonly used values. These parameters are:

- Units of Measure - Imperial
- Actuator Setpoint - 2-10 VDC
- Velocity Output - 0-10 VDC
- Control Mode - Flow Control mode
- Setpoint Location - Remote
- Setpoint Input - 0-10 VDC
- Field Correction - 1.0
- Air Density Correction - 1.0
- Response Time - Fast
- Control Deadband - 25 fpm
- Override Out - 100%
- Sensor Filter - 3 seconds

