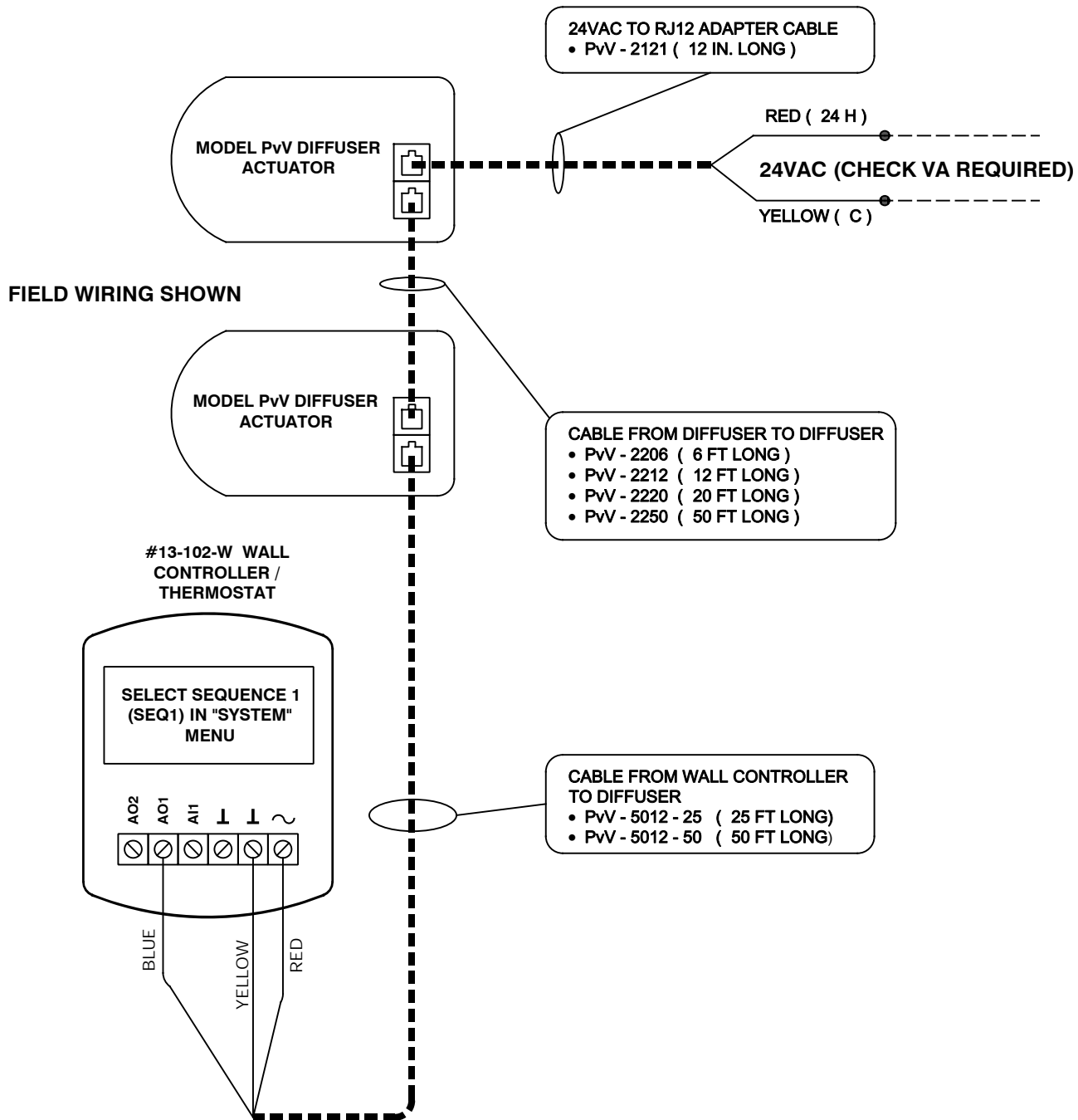


# ANEMOSTAT<sup>®</sup>

ELECTRONIC VAV DIFFUSERS

Control Package  
**PvV - A03**

- VAV COOLING ONLY
- PRESSURE DEPENDENT
- ANALOG ELECTRONIC CONTROLS
- AIR FLOW SETPOINTS ADJUSTED AT THERMOSTAT

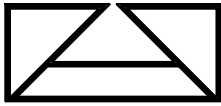


**NOTES:**

- 24VAC SOURCE, DIFFUSERS, & WALL SENSOR CAN BE INTERCONNECTED IN SERIES, PARALLEL, OR BOTH .
- THE # OF DIFFUSERS CONTROLLED BY A SINGLE WALL SENSOR IS DETERMINED BY CABLE LENGTHS.

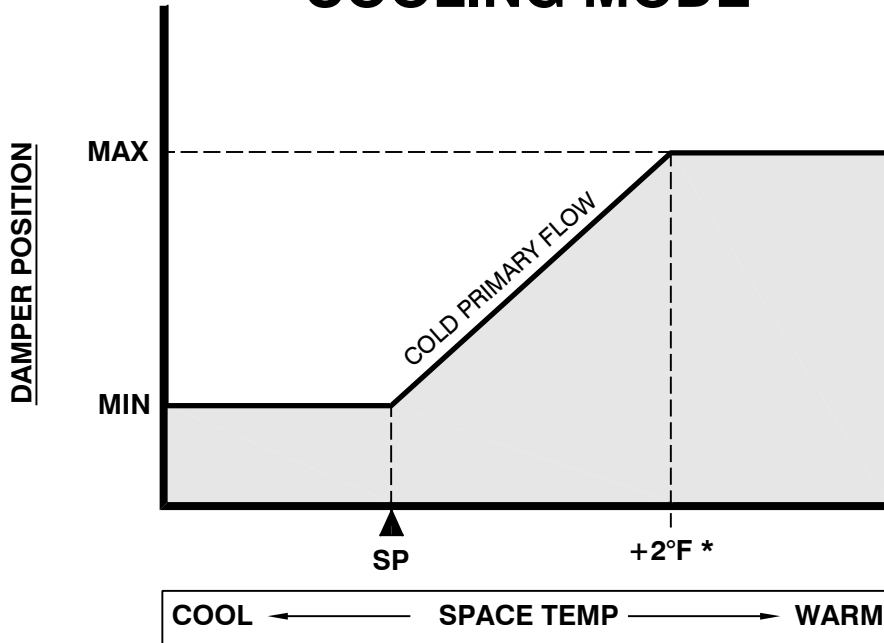
**JOB NAME:**  
**SUBMITTED BY:**  
**DATE:**

**DWG #:** PVV-A03.1  
**REV:** -  
**DATE:** 8-29-18



- VAV COOLING ONLY
- ANALOG ELECTRONIC CONTROLS
- PRESSURE DEPENDENT
- AIR FLOW SETPOINTS ADJUSTED AT THERMOSTAT

## COOLING MODE



\* PROPORTIONAL BAND (PROP BD) DEFAULT AT 2°F, ADJUSTABLE FROM 1 to 10°F IN "ADVANCE" MENU ON THERMOSTAT

## SEQUENCE OF OPERATION

THE WALL CONTROLLER / T'STAT SIGNALS THE DIFFUSER ACTUATOR IN RESPONSE TO THE SPACE TEMPERATURE. NOTE UPON INITIAL POWER UP, THE DIFFUSER ACTUATOR WILL PERFORM A SELF-CALIBRATION ROUTINE. WHEN USER ADJUSTS WALL CONTROLLER FOR DAMPER POSITION ( MIN AND MAX FLOW RATES) , AO1 MIN AND AO1 MAX ARE SET BETWEEN 2VDC ( DAMPER CLOSED) AND 10VDC ( 100% DAMPER OPEN) .

### COOLING

1. THE THERMOSTAT D.A. COOLING OUTPUT CONTROLS FLOW ( COOLING MODE) . WITH SPACE TEMPERATURE BELOW THE THERMOSTAT SETPOINT, MINIMUM DAMPER POSITION IS MAINTAINED AS SET BY VOLTAGE FOR AO1 MIN.
2. AS THE SPACE TEMPERATURE INCREASES FROM SETPOINT TO 2°F ABOVE SETPOINT, THE DAMPER OPENS FROM MINIMUM POSITION ( AO1 MIN) TO MAXIMUM POSITION ( AO1 MAX) . AT OVER 2°F ABOVE SETPOINT, MAXIMUM DAMPER POSITION IS MAINTAINED.

REFER TO WALL CONTROLLER INSTRUCTIONS FOR ACCESS TO MENUS AND SETTINGS. AO1 MIN AND MAX CONTROL THE DAMPER POSITION AND UNITS ARE VDC. UPON LOSS OF POWER, DAMPER FAILS IN PLACE.

JOB NAME:  
SUBMITTED BY:  
DATE:

DWG #: PVV - A03.2  
REV: -  
DATE: 8-29-18