

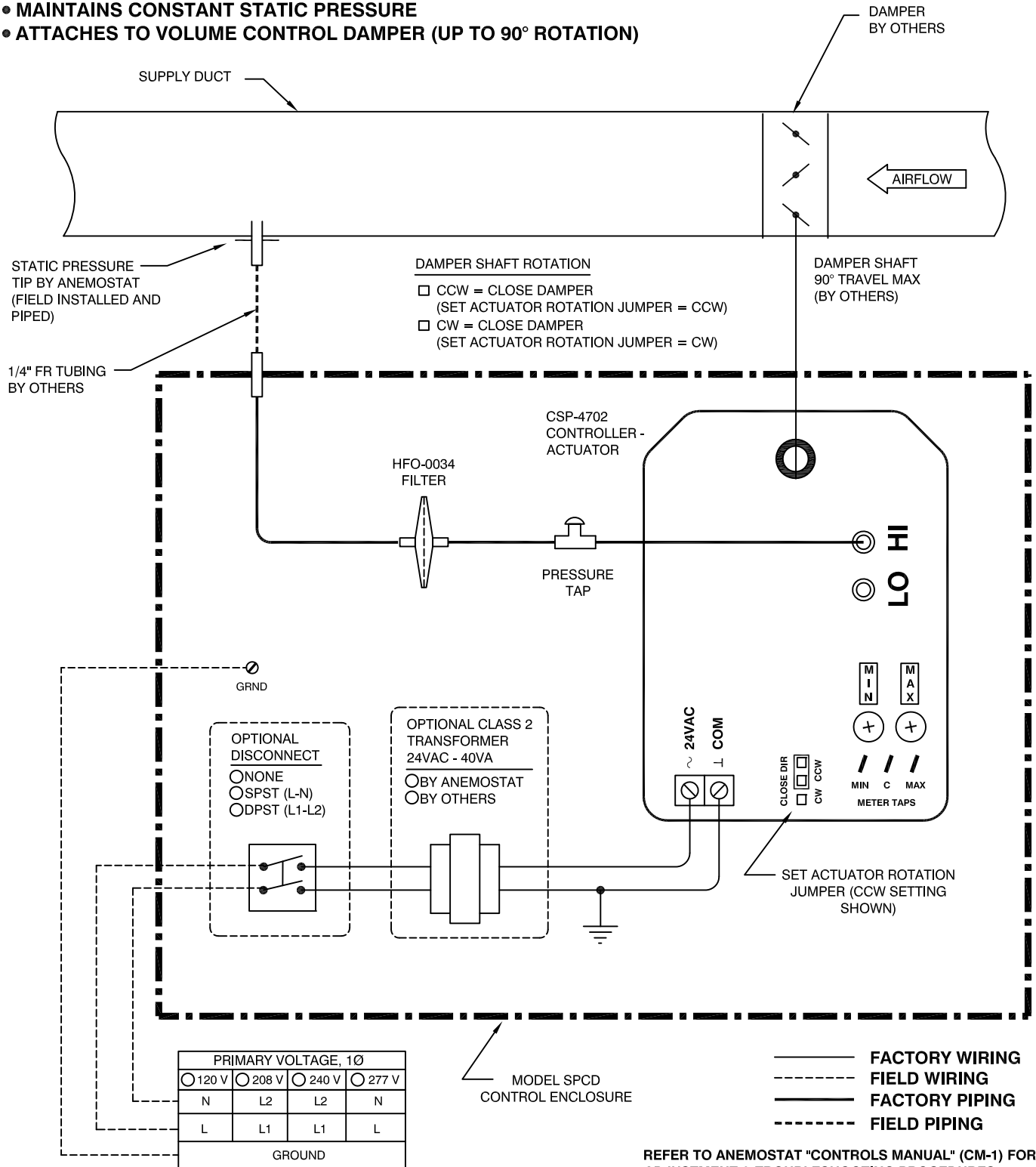
# ANEMOSTAT®

STATIC PRESSURE CONTROL SYSTEM

Control Package  
**SD - A - 5047**

## MODEL SPCD

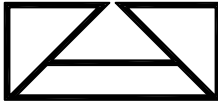
- ANALOG ELECTRONIC CONTROLS
- DUCT STATIC PRESSURE CONTROL AFTER DAMPER
- MAINTAINS CONSTANT STATIC PRESSURE
- ATTACHES TO VOLUME CONTROL DAMPER (UP TO 90° ROTATION)



REFER TO ANEMOSTAT "CONTROLS MANUAL" (CM-1) FOR ADJUSTMENT & TROUBLESHOOTING PROCEDURES.

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

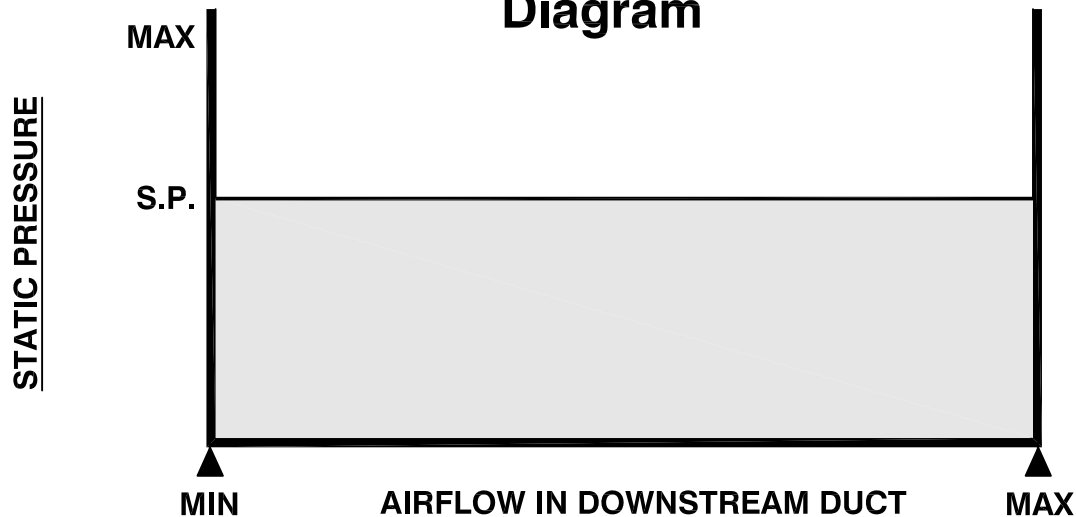
**DWG #:** SD-A-5047.1  
**REV:** A  
**DATE:** 02.11.16



## MODEL SPCD

- ANALOG ELECTRONIC CONTROLS
- DUCT STATIC PRESSURE CONTROL AFTER DAMPER
- MAINTAINS CONSTANT STATIC PRESSURE
- ATTACHES TO VOLUME CONTROL DAMPER OR VAV BOX (UP TO 90° ROTATION)

### Pressure Control Diagram



### SEQUENCE OF OPERATION

1. THIS SEQUENCE IS OFTEN USED WITH VAV DIFFUSERS TO MAINTAIN A CONSTANT STATIC PRESSURE IN THE DISTRIBUTION DUCT, AS THE VAV DIFFUSERS MODULATE AIRFLOW TO THE SPACE.
2. THE STATIC PRESSURE TAP IS LOCATED AFTER THE DAMPER IN THE DOWNSTREAM DUCT WORK.
3. A STATIC PRESSURE SIGNAL IS FED TO THE CONTROLLER, AND THE CONTROLLER OPERATES IN A CONSTANT PRESSURE MODE TO MAINTAIN THE STATIC PRESSURE.
4. THE STATIC PRESSURE CONTROL UPPER LIMIT IS 2" Ps.
5. UPON LOSS OF POWER, DAMPER FAILS IN PLACE.

**JOB NAME:**  
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