

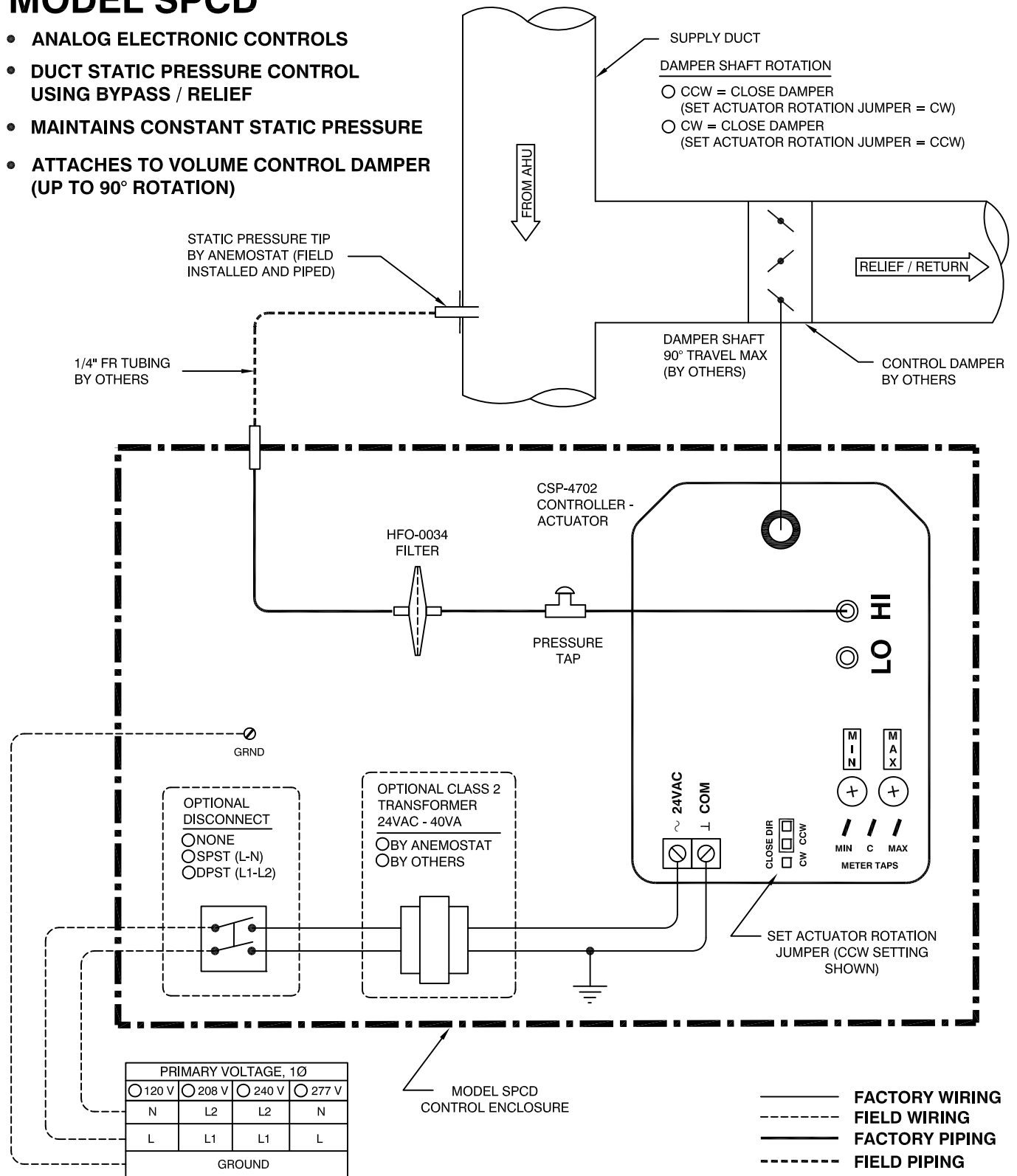
ANEMOSTAT[®]

STATIC PRESSURE CONTROL SYSTEM

Control Package
SD - A - 5046

MODEL SPCD

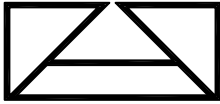
- ANALOG ELECTRONIC CONTROLS
- DUCT STATIC PRESSURE CONTROL USING BYPASS / RELIEF
- MAINTAINS CONSTANT STATIC PRESSURE
- ATTACHES TO VOLUME CONTROL DAMPER (UP TO 90° ROTATION)



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

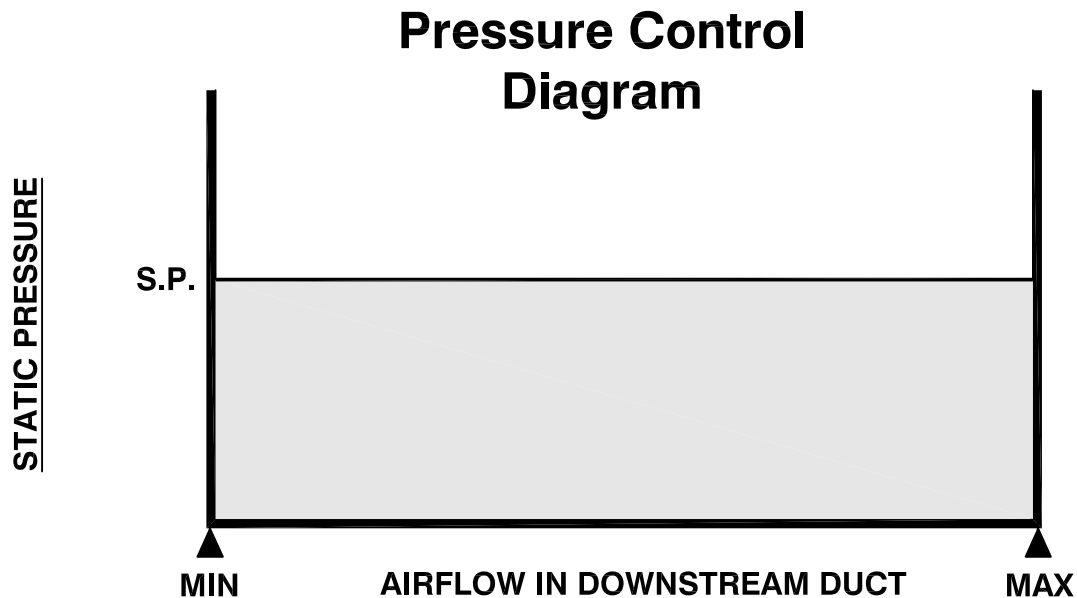
JOB NAME:
SUBMITTED BY:
DATE:

DWG #: SD-A-5046.1
REV: B
DATE: 02.11.16



MODEL SPCD

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



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, USED WITH CONSTANT VOLUME SUPPLY AIR SYSTEMS.
2. THE STATIC PRESSURE TAP IS STRATEGICALLY LOCATED IN THE SUPPLY AIR DUCT SYSTEM.
3. A STATIC PRESSURE SIGNAL IS FED TO THE CONTROLLER, AND THE CONTROLLER OPERATES IN A CONSTANT PRESSURE MODE TO MAINTAIN THE STATIC PRESSURE. AS THE PRESSURE INCREASES, THE CONTROLLER OPENS A RELIEF / BYPASS DAMPER.
4. THE STATIC PRESSURE CONTROL UPPER LIMIT IS 2" Ps.
5. UPON LOSS OF POWER, DAMPER FAILS IN PLACE.

JOB NAME:
SUBMITTED BY:
DATE:

DWG #: SD-A-5046.2
REV: B
DATE: 02.11.16