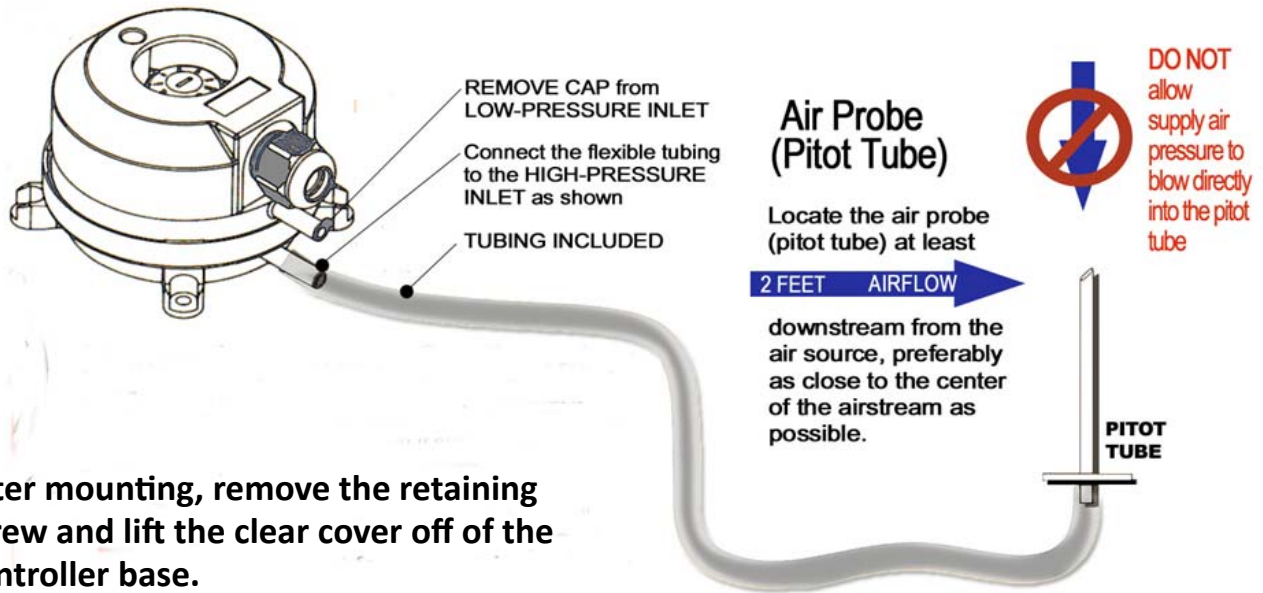


STATIC PRESSURE CONTROLLER INSTALLATION, WIRING AND CONFIGURATION INSTRUCTIONS

Mount the SPC in any vertical or horizontal position, preferably horizontal. Use at least two screws. Connect sample tubing to the **BOTTOM** inlet port. Connect other end of tubing to the PITOT TUBE. Drill a 1/4" OD hole and insert pitot tube into the supply air plenum.

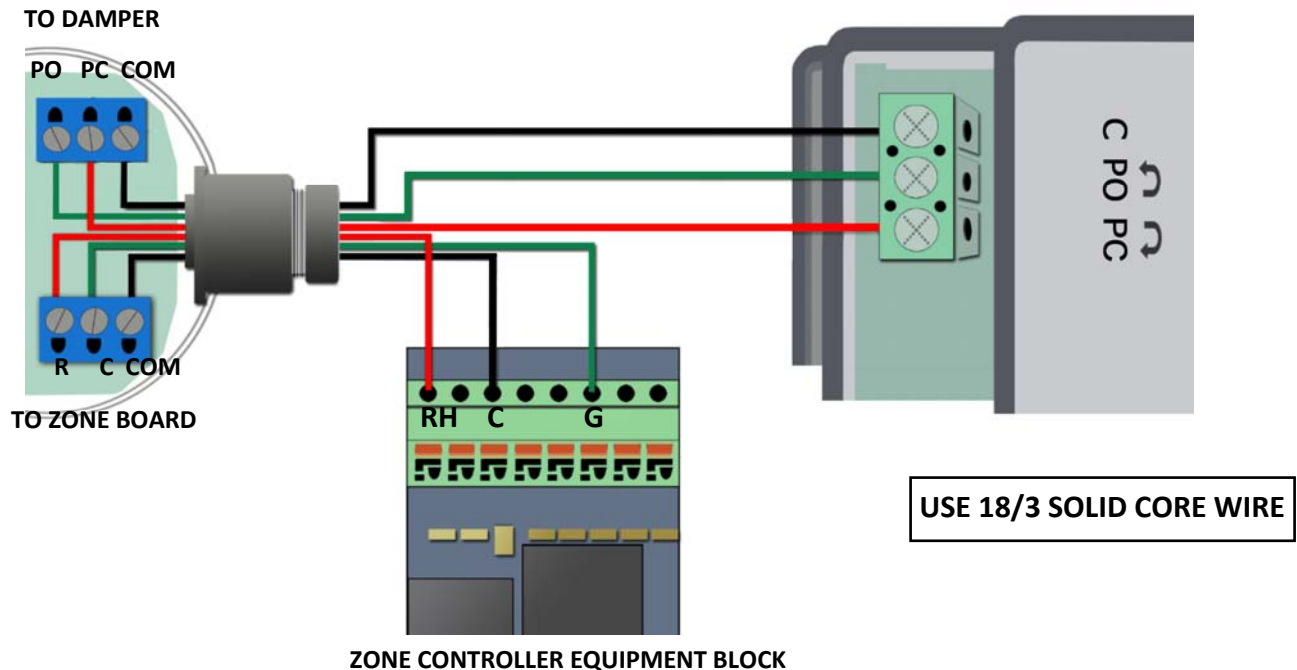


After mounting, remove the retaining screw and lift the clear cover off of the controller base.

----- WIRING SCHEMATIC -----

STATIC

MBD DAMPER ACTUATOR




MODULATING BYPASS CONFIGURATION

The goal is to calibrate the bypass damper so that it is “barely” staying closed when all zones are open. This will cause the bypass damper to open if supply dampers close and the plenum pressure increases.

ON THE XCI ZONE CONTROLLER:

Push and hold down the “RESET” button, then push and hold down the “SETUP” button. Release the “RESET” button, then release the “SETUP” button. This puts the controller into TEST MODE. The system will now only accept calls from the ZONE 1 thermostat, and will hold all dampers open. Make a cooling call from the ZONE 1 thermostat. The system will now run with the blower in HIGH speed and all zones open. This allows the technician to adjust the static pressure controller, as well as set the charge on the unit.

1 (If not using an XCI Zone Controller) Make a call from ALL zones for cooling so all zone dampers are fully open and the equipment blower is running at the HIGHEST speed. The bypass damper will be CLOSED and showing a red light.

2  Turn knob clockwise SLOWLY until the bypass damper starts opening and the light turns green.

3  VERY SLOWLY turn the knob counter-clockwise until the bypass damper starts to close.



ADJUSTMENT KNOB

Adjustment range:
.08 - 1.2 WC