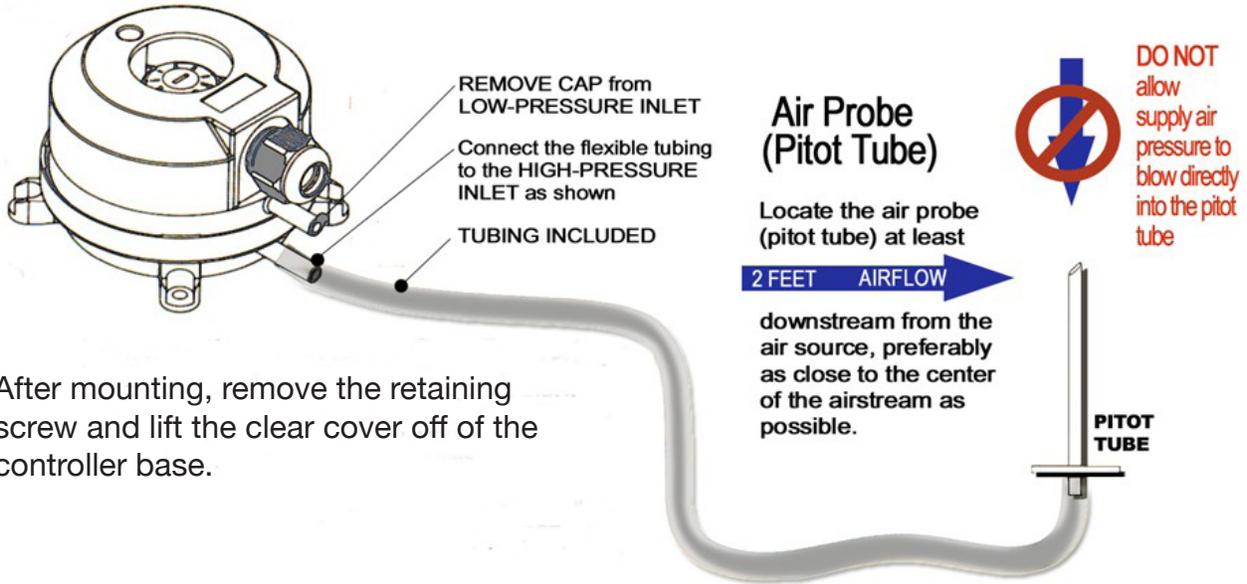




Universal HVAC/R  
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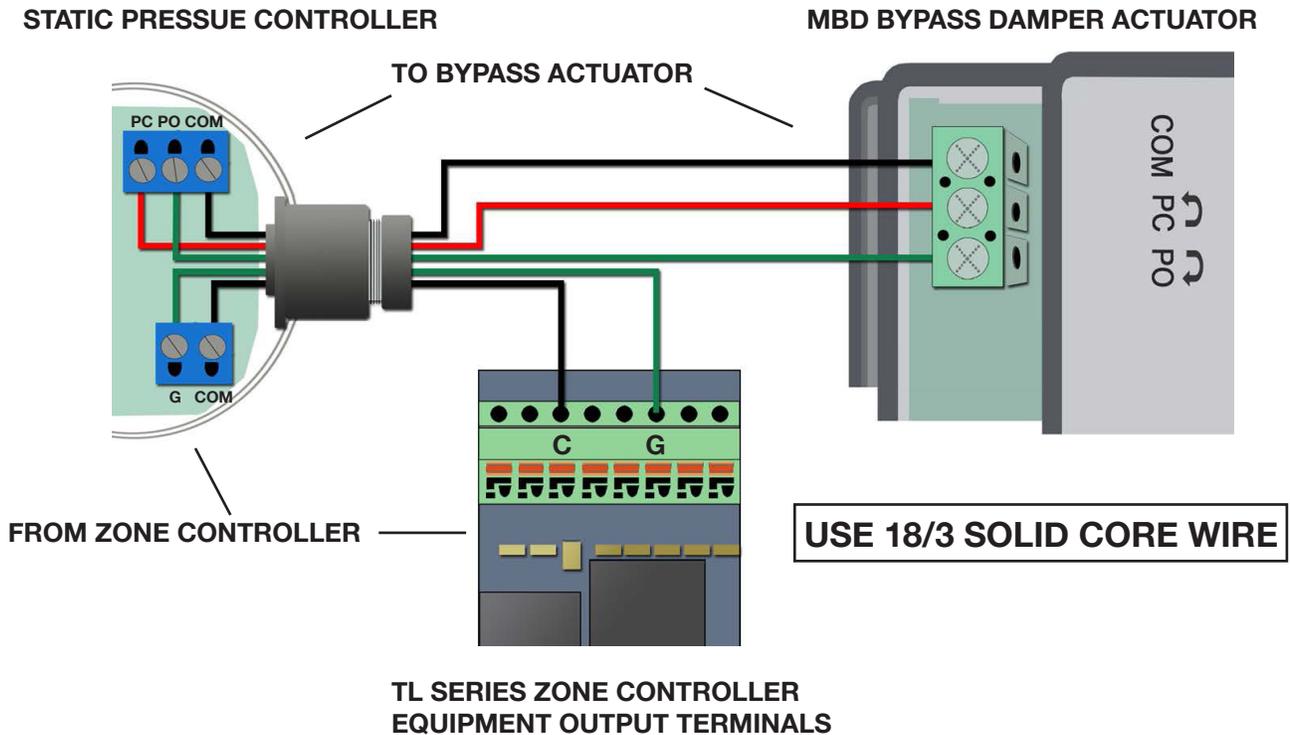
# STATIC PRESSURE CONTROLLER INSTALLATION, WIRING AND CONFIGURATION INSTRUCTIONS

Mount the SPC in any vertical or horizontal position. 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



# 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 TL SERIES ZONE CONTROLLER

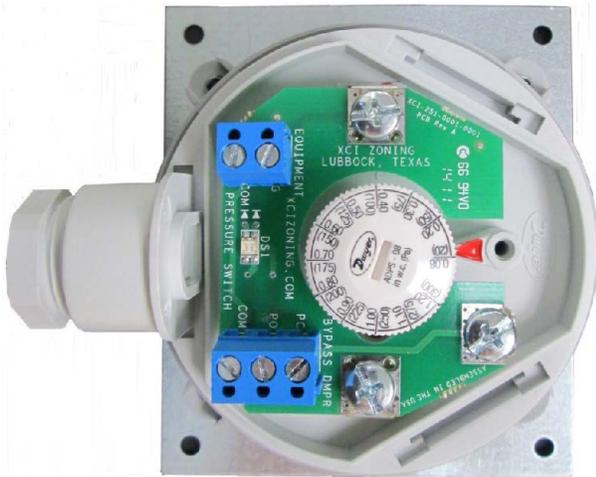
Push and hold down the “RESET” button, then push and hold down the “SETUP” button. Release the “RESET” button, then release the “SETUP” button. This puts the controller into TEST MODE. The system will now only accept calls from the ZONE 1 thermostat, and will hold all dampers open. Make a cooling call 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 TL Series 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.

**2**  Turn knob clockwise SLOWLY until the bypass damper starts closing. If damper starts opening again before fully closing, turn the knob SLOWLY until it starts closing again. Repeat this process until the damper is fully closed.

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

**4**  Just as soon as the damper starts to open, turn the knob back clockwise just enough that the damper motor stays closed.



### ADJUSTMENT KNOB

Adjustment range:  
.08 - 1.2 WC