

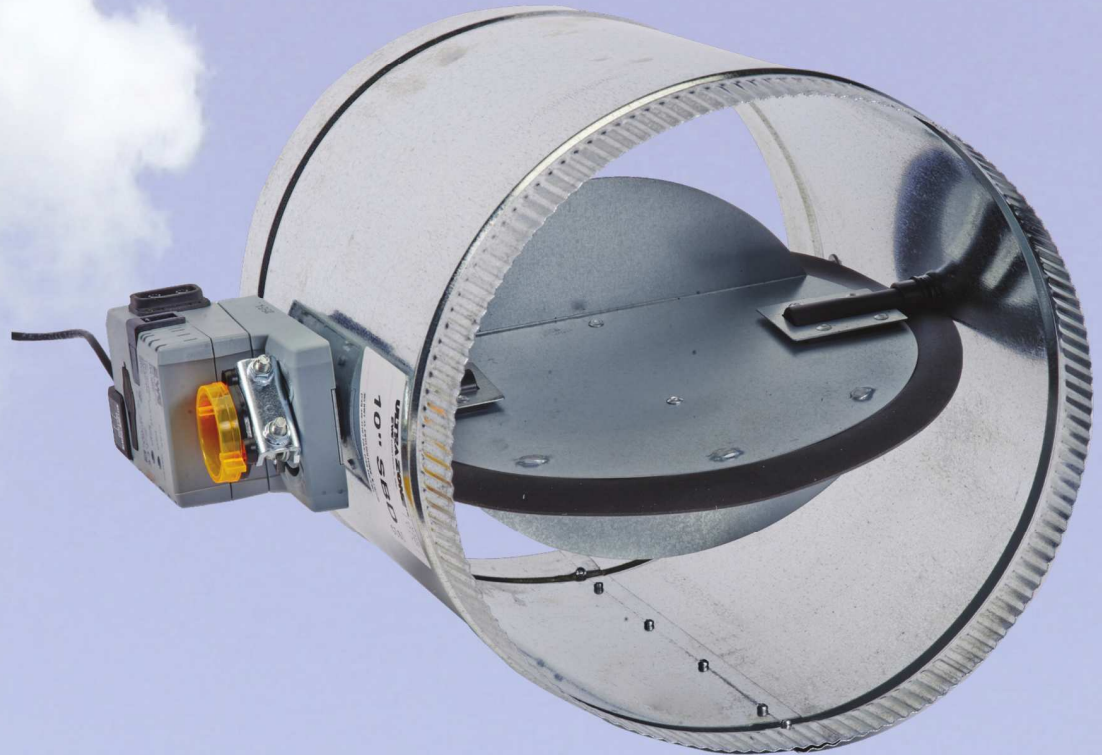
ULTRA-ZONE[®]

SBD

Smart By-Pass Damper

IF YOU'RE GOING TO USE A BY-PASS DAMPER, IT BETTER BE SMART!

THE FIRST EVER!



- Automatically measure, monitor and maintain the design operating static pressure of any system
- Curved blade design will maintain true static pressure
- Self balances in all modes of operation

- Single push button set-up
- ACCA Manual Zr compliant
- LED indicators for set-up response
- No other By-Pass damper is easier to set up

Excellence Without Compromise

EMC[®]

CONTROLS INC.

Proudly Manufacturing in the USA for over 50 Years

The Ultra-Zone Smart By-Pass Damper (SBD) captures the total static pressure of the HVAC system during a non-zoned mode, and modulates to maintain that same static pressure during any zoned mode. As individual zone dampers open and close, the HVAC system static will fluctuate. In order to maintain the true static pressure of the HVAC system during zoned modes, the SBD will sense the current static pressure in the duct system and modulate to maintain the designed operating static pressure of the HVAC system.

Upon power up, the SBD's power LED will glow solid green. The yellow By-Pass set-up button LED will blink, to indicate the SBD is ready for start up. With the simple push of the yellow By-Pass set-up button located on the SBD motor, the damper will fully close and measure the system's total static pressure. The SBD will then open and measure the system's total static pressure. The By-Pass set-up LED will stop blinking and go out. The By-Pass damper is now set, you're done!

The SBD's unique curved blade design provides the required pressure drop baffling within the duct system for improved By-Pass control and increased linear response by the actuator. The Smart By-Pass Damper can be mounted in any direction, horizontally, vertically or any position required in the field. The supplied pitot tubes should be mounted within two (2) feet of the air handler of the Supply and Return plenums.

The SBD is the only By-Pass damper that will meet and exceed all requirements of the residential zoning standard in ACCA Manual Zr. The Smart By-Pass Damper is the only damper that will satisfy all your needs and requirements in one design.

