

ESP 6 Zone Zone Control Panel

ZP6-ESP



The ZP6-ESP is a 6 zone panel that integrates our award winning ESP technology to completely eliminate the need to install a bypass damper. This 4H/2C zone panel comes with a static pressure sensor. The system works like any standard zone control system with one exception; a static pressure sensor continuously monitors the system static pressure. If the static pressure goes above setpoint, the ESP panel will power the non-calling zone dampers open just enough to relieve the excess pressure. Tests indicate that bleeding a small amount of conditioned air for a short time into non-calling zones has little to no impact on the zone temperature.

The panel can be used with single-stage, multi-stage, heat pump and dual fuel equipment. Programmable LCD and slide switch configuration makes setup quick and easy. A wide range of control options provide ultimate application flexibility including adjustable high/low limits, adjustable high/low balance point, stage timing, capacity control and priority cooling control.



Static pressure sensor included

NO BYPASS REQUIRED!

Features and Benefits:

- 6 zones expandable up to 12
- Auto changeover
- Cooling priority or majority wins
- Twenty minute time share option
- Optional night thermostat
- Humidification/Dehumidification pass-throughs
- Staging by zone thermostat or stage timer
- Purge cycle option
- Compatible with variable speed fan equipment
- For use with 3 wire dampers
- Adjustable high and low limit
- Adjustable high and low balance point
- Equipment fault pass-through indicator
- LCD displays: Discharge air temperature, return air temperature and outdoor temperature

Warranty: 10 years

Specifications:

Construction	Aluminum back plate with mounting holes
Dimensions	13.50" Height x 11.00" Width x 2.00" Depth
Operating Temperature	-40° F to 150° F
Adjustable Limits (Limits programmed through LCD display)	High Limit (100° F to 180° F) Low Limit (30° F to 46° F) High Balance Point (45° F to 70° F) Low Balance Point (0° F to 40° F)
Purge Cycle	Off or 1 minute
Fan Mode	All zones or by zone thermostat

BOARD DIAGRAM

