

# ESP 2 ZONE AND 3 ZONE CONTROL PANELS

ZP2-HC-ESP  
ZP3-HPS-ESP

ZP3-HCMS-ESP

These 2 and 3 zone panels include our award-winning ESP (Electronic Static Pressure) technology. Each panel comes with an adjustable static pressure sensor. As zone dampers open and close, the static pressure sensor continuously monitors the system static pressure. If the static pressure goes above the static pressure setpoint, the panel will modulate the selected non-calling zone dampers open, bleeding small amounts of air to relieve excess pressure. This eliminates the need for a bypass damper.

The **ZP2-HC-ESP** is a single-stage heat/cool zone panel designed to control 2 zones. The **ZP3-HPS-ESP** model is designed to control 3 zone applications for heat pump or dual fuel systems. The **ZP3-HCMS-ESP** model is designed to control 3 zone applications for multi-stage heating and cooling. These panels are for residential and light commercial. Metal Enclosure (iO-PAN-ME) available as an option on iO Zone Panels.

*\*For ESP functionality, 3-wire MD Series dampers and static pressure sensor must be used*

## SPECIFICATIONS:

Warranty	10 years
Construction	ABS plastic enclosure with snap-on panel cover
Mounting	Snap track with 2 back plate screws
Dimensions	8.00" H x 6.00" W x 1.50" D
Operating Temperature	-40° F to 150° F
Time Delays	3 minutes off between cooling calls; 3 minutes off on low limit; 20 minute time share
Discharge Air Temperature Limits	Preset Low Limit is 45° F; Adjustable High Limit is 130° F to 160° F
ESP Functionality	Must use 3-wire MD Series dampers and static pressure sensor

NO BYPASS REQUIRED!



### Also available as kit including:

- ✓ Zone Panel
- ✓ Duct Temperature Sensor
- ✓ 40VA Transformer

## FEATURES AND BENEFITS:

- Built-in static pressure control eliminates the need for a bypass damper
- ESP feature selectable on/off by zone
- Auto changeover
- First call priority with time share
- LED status indication
- Independent fan control by zone
- Short cycle protection
- Competitively priced
- Works with 2 or 3 wire zone dampers\*
- Adjustable high limit
- Adjustable high and low balance points on ZP3-HPS-ESP (requires ZPA-OTS)



5351 East Thompson Road Suite 142  
Indianapolis, IN 46237  
P: 888.359.0362  
F: 317.489.5204

info@iOhvaccontrols.com  
www.iOhvaccontrols.com

## BOARD DIAGRAM

