Evergreen Zoning™
SPECIFICATION SHEET

First aftermarket zoning product that **provides blower speed control based on zone capacity requirements**. Pairs with ECM technology to deliver the right volume of air only to the areas that need it.

PARTS

Part Number	Description	Weight	Dimensions
PAN-EHPP2	2-zone panel	8.5 lbs	10" x 10" x 4"
PAN-EHPP3	3-zone panel	8.75 lbs	10" x 10" x 4"
PAN-EHPP4	4-zone panel	9 lbs	10" x 10" x 4"
EVG-1HPP2	2-zone panel & 1 hp motor		
EVG-1HPP3	3-zone panel & 1 hp moto		
EVG-1HPP4	4-zone panel & 1 hp motor		
EVG-1/2HPP2	2-zone panel & ½ hp motor		
EVG-1/2HPP3	3-zone panel & ½ hp motor		
EVG-1/2HPP4	4-zone panel & ½ hp motor		
MOT-EVGR1	1 hp motor		
MOT-EVG.5	1/2 hp motor		

LIMITED LIFE TIME WARRANTY

arzelzoning.com/warranty

MOTOR FEATURES

- Dual voltage (115v or 230v) and auto-reversible rotation motor assures equipment compatibility
- Only 2 models required for all sizes from ⅕ to ¾ horsepower, which minimizes stock
- Enhances IAQ functionality while providing ultra quiet operation
- Proven design from the ECM motor technology leaders

PANEL FEATURES

- Independent blower and compressor staging, minimizing bypass requirements
- Zone weight percentage
- Replaceable fuse protection
- Easy to use lever style terminals
- Manual pump switch (MPS) allows for continous pump operation
- Integrated humidification and dehumidification

Thermostat Requirements
Zone 1 can use a basic 1h/1c thermostat or a multistage heat pump thermostat. Zones 2, 3, and 4 use basic 1h/1c thermostats.

CFM Staging
Indoor unit staging is based on zone weighting. The W2/Y2 operates based on the size of your zone, to match CFM to the available ductwork. This helps to reduce or eliminate the need for a bypass.

Dual Fuel Capability
Advanced dual fuel technology allows for lower balance point temperature set-points, backed up by an outdoor reset minimum LAT that achieves maximum heat pump operation and reduced fossil fuel dependency.

Diagnostic Display
LCD screen provides real-time reporting of everything happening throughout the system. It can also display temperature in Fahrenheit or Celsius.

Built-in Controls and Sensors
Built-in outdoor reset, balance point, resistance lockout, emergency, and auxiliary heat controls. Includes LAT and OAT sensors.

Heat Pump Staging
The Evergeen zoning panel automatically stages based on a proactive approach. It monitors the LAT (leaving air temperature) and OAT (outside air temperature). It resets the LAT requirements when the OAT falls.
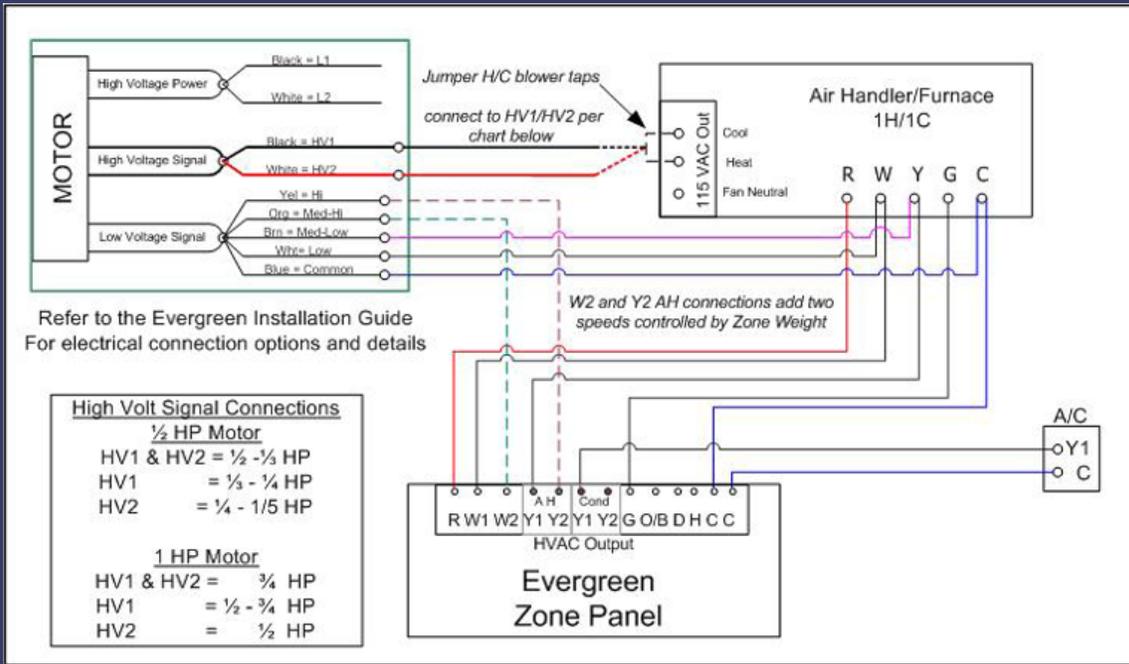
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Arzel® Zoning TECHNOLOGY
www.arzelzoning.com

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Wiring Diagram

Motor Specifications

MOTOR COMPARISON	PSC MOTOR	STANDARD ECM (X13)	PREMIUM ECM (ThinkTank™ 2.3 & 3.0)	ECM RETROFIT (Evergreen™)
TECHNOLOGY	Induction Motor	Brushless DC	Brushless DC	Brushless DC
AVAILABLE HORSEPOWER	1/3, 1/2, 3/4, 1 HP	1/3, 1/2, 3/4, 1 HP	1/3, 1/2, 3/4, 1 HP	1/2, 1 HP
SPEEDS	Select 1-5 taps	Select 1-5 taps	Variable-speed	Select 1-5 profiles
SPEED RANGE	800-1100 RPM	600-1100 RPM	200-1300 RPM	600-1200 RPM
CLIMATE PROFILES	NO	NO	YES	NO
INTELLIGENT CONTROLS	NO	Constant Torque	Constant Airflow	Speed, Compensated Profiles
ADVANCED FEATURES	NO	NO	Communicating Motor, BlaKBox™ Technology	NO
PEAK MOTOR EFFICIENCY	59%	80%	80%	80%
AVERAGE POWER * (COOLING CFM)	515 W	413 W	413 W	413 W
AVERAGE POWER * (CONTINUOUS FAN CFM)	515 W	200 W	83 W	95 W
SUMMARY	No Features, Baseline Product	Limited Features, High Efficiency	Full Features, Maximum Efficiency	Limited Features, High Efficiency
APPLICATION	Retrofit & OEM	OEM	OEM	Retrofit for indoor PSC Motors

* Average power consumption based on specified setting in a typical three-ton system.

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