

# Making High Efficiency Effective



Heat pump technology has improved greatly in recent years. These advances have created many challenges for HVAC technicians to effectively control equipment. In many cases, developing a control strategy and wiring plan added hours of costly time to a job.

## Arzel® has developed the HeatPumPro™!

The industry's first integrated control panel and zoning solution designed for high efficiency heat pumps.

- SmartStaging™ automatically stages based on either demand or capacity requirements.
- Zone weighting minimizes bypass requirements by controlling fan speed independently.
- LCD screen provides realtime reporting of everything happening throughout the system.
- Set-up Wizard makes commissioning simple.
- Built-in Outdoor Reset, Balance Point, Resistance lockout, Emergency and Auxiliary heat controls.



# The HeatPumPro™ Tells you exactly what is going on throughout the system in plain English!

Screen Title - HVAC Outputs are the signals being sent to the HVAC Equipment

This area shows which calls are being delivered to the equipment

When a humidification call is serviced, **Hum** will appear here. When a dehumidification call is serviced, **Dehum** will appear here.

Zone Wt% is the total of the zone weights being served right now.

The last line tells you what to do next. Push the Blue Button to see the individual zone inputs.

Outside Air (OUT) temperature from external sensor

Leaving Air (LAT) Temperature readings from sensor in the duct

The "Zones" Section of the display shows you which zones are being served.

Highlighted boxes as in Zones 1 and 3 denote service

This is the Message Center. The HeatPumPro™ will tell you if there is anything special happening. ie. Y2 (2nd stage heat) is off for dehumidification.

Message Center Content:  
 HVAC OUTPUT  
 CON AH  
 OUT: [ ] LAT: [ ]  
 ZONES  
 [ ] [ ] [ ] [ ] [ ] [ ]  
 Y2AH OFF FOR DEHUM  
 <Press BLU for zones>

## Other Features

Replaceable 2A fuse protection.

Easy to use lever style terminals

Use any thermostat you want for zone 1. Choose the stat with the features you want for your application: Heat/Cool or heat pump, single or multi-stage, autochangeover or wireless. The HeatPumPro™ can take advantage of anything on the market today.

Manual Pump Switch Opens all dampers for testing or in an emergency

USB port to communicate directly to the on-board computer

Use standard single-stage, Heat/Cool thermostats for zones 2-4 to simplify wiring.

Setup Wizard walks you through all the setup parameters then stores your defaults in memory. Just toggle up or down through the choices and push the Blue button to select. It is that easy!

On-Board Leaving Air Temperature, Outside air temperature sensors.