

# Hi-Velocity Systems™

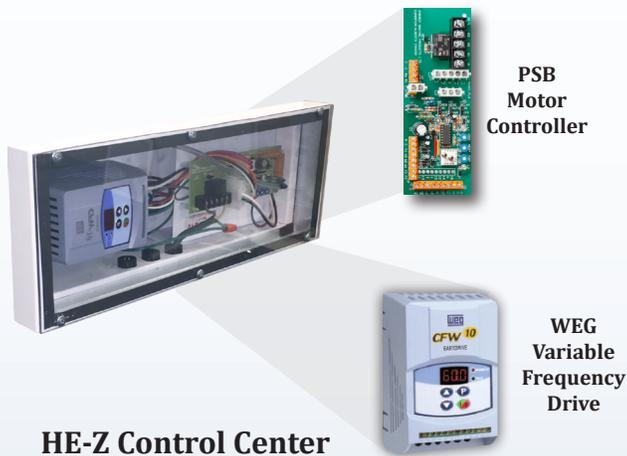
Small Duct High Velocity Heating, Air Conditioning  
and Indoor Air Quality Systems

## Introducing the HE-Z Series Fan Coil

Energy Saving Products Ltd. is introducing the **HE-Z Series** of fan coils. This innovative product will feature our newly developed **PSB (Pressure Sensing Board)** motor controller, which is a combination of our standard board (in use for 8 years) and our PWM controller (5 years), which will utilize many of our past features while adding some new (see page 2). Packaging the new PSB together with a Variable Frequency Drive manufactured by the WEG Electric Corporation, the HE-Z series will become your ultimate choice in a multi-functional fan coil. This move will take the former EPC control board and EPC circuit board out of the product line.



**HE-Z Series Fan Coil**



**HE-Z Control Center**

**PSB  
Motor  
Controller**

**WEG  
Variable  
Frequency  
Drive**

The HE-Z comes with the pressure sensing mode pre-set for cooling, heating and recirculation, but is field programmable providing an infinitely variable fan output. The PSB will sense the pressure in the system and change the power input to the motor through the VFD to maintain constant air flow from open vents. Gone are the days of air flow fluctuations from dirty filters, or reduced capacity due to daunting duct designs. Now zoning is simple as the VDC signal will vary dependant on system load, adjusting power input based on demand. The pressure sensor, the PSB motor controller and the WEG VFD are all internally mounted with our new control center. The manual mode allows you to adjust the output of the three operational modes to fixed flow rates.

The introduction of the new Variable Frequency Drive by WEG is a culmination of two years of testing in the harshest environments we could find in North America and internationally. The new WEG drive features internal diagnostics not available on previous models. It has proven to be extremely reliable and robust in all applications. Our very solid 3 phase motor continues to be standard in the HE-Z series.

Energy Saving Products is proud to continue to bring you industry-leading product advances, which would not be possible without your input, thank you.

## Designing for the *Future!*

**[www.hi-velocity.com](http://www.hi-velocity.com)**

**1-888-652-2219**

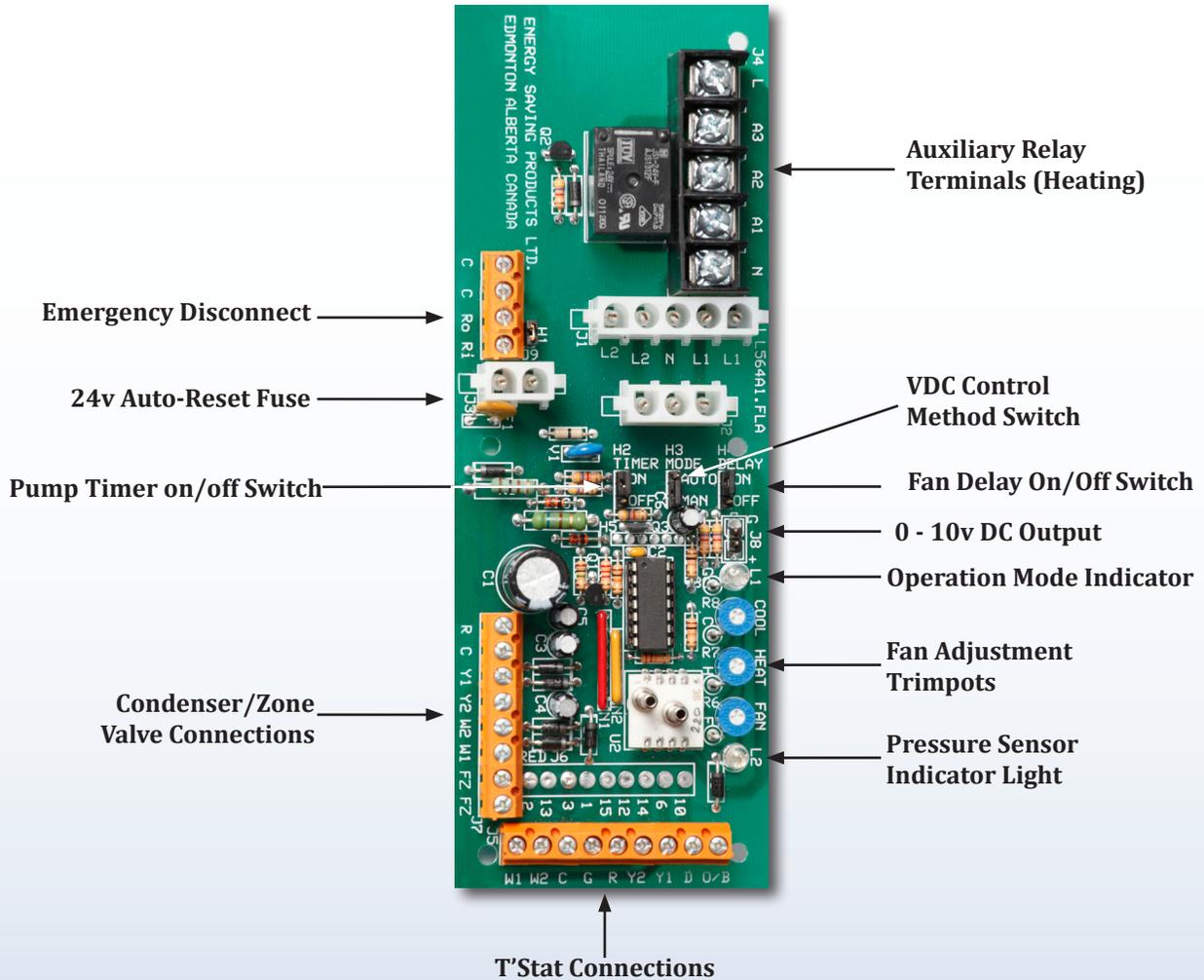
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### PSB (Pressure Sensing) Circuit Board



#### *New Features:*

- Pressure reactive VDC control standard on PSB
  - Optional direct VDC speed control
  - Operation mode indicator light
- Connections for emergency system shutdown
  - Fan delay function

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