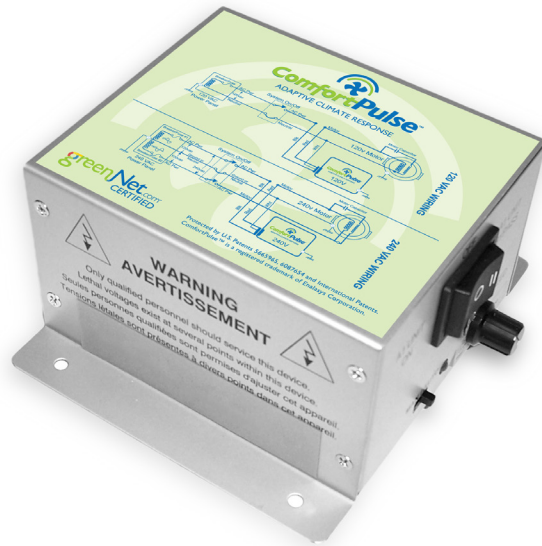




## Upgrade HVAC Equipment to Real Time Adaptive Speed and Save Significant Energy

The ComfortPulse™ Adaptive Climate Response System represents a revolution in fractional horsepower motor control. Through its patented **Optical Programming™**, the ComfortPulse™ intelligently matches fan speed in real time to actual BTU output which maximizes indoor comfort and delivers system wide energy savings of 20%\* or more.

The ComfortPulse™ has a universal design which allows for the easy, cost effective upgrade of many different types of new or existing furnaces, air conditioners or heat pumps using AC induction fan motors under 2 HP. Whether a residential split system, light commercial RTU, PTAC or PTHP, the ComfortPulse™ will optimize air distribution to more closely maintain thermostat set-point, reduce uncomfortable hot and cold spots and save significant amounts of energy by decreasing compressor runtime duration and frequency.



### More than simple variable speed.

- Installs in Just Minutes
- Adaptive Variable Speed
- Lower Noise Levels
- Reduce kW Demand
- Consistent Temperature
- Save Significant Energy
- Reduce Humidity
- Enhance Occupants' Comfort
- Increase Equipment Life
- Improve Indoor Air Quality

### What Will Your Customers Save?

#### Features →

- More Efficient Control of Fan Speed → .....
- Adaptive Match of Fan Speed/BTU Output → .....
- Soft Start Motor → .....
- Anti-Stall → .....
- Temperature Sensor and Connections → .....
- Idle Speed with Gentle Ramp Up/Down → .....
- Manual / Auto Switch → .....
- Additional Inputs Available → .....
- Bypass Safety Switch → .....

#### Benefits

- Huge kWh Electrical Energy Savings
- Improved Indoor Climate and Comfort
- Reduces kW Demand
- Prevents Stalling at Low RPM
- Measures, Tracks and Responds in Real Time
- Reduces Noise, Saves Energy and Improves Air Quality
- Auto Temperature Mode or Override w/ Manual Dial
- Ability to Accept and Blend Other Sensors as Needed
- Returns Unit to Original State Prior to ComfortPulse™

### Specifications

Power Input Range: 110-240 VAC, 60 Hz, 1-12 Amps, 30-1400 Watts  
 Power Output Range: 110-240 VAC, 15-60 Hz, 1-12 Amps, 30-1400 Watts  
 Electrical Control Input: Low Power; 0-10 Volts; 4-20 ma  
 Sensor Control Inputs: Temperature, Humidity, Pressure, and Others

\*Assumes HVAC Equipment is in good working condition.

**20%**  
 OR MORE IN SYSTEM\*  
 WIDE ENERGY SAVINGS

“Projected annual energy savings from the technology is 2.9 million BTU of electricity per 5,000 units.”

— USDOE: Energy Matters  
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