



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 horsepower. 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.



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
ISSUE: Summer 2008

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 → Huge kWh Electrical Energy Savings
- Adaptive Match of Fan Speed/BTU Output → Improved Indoor Climate and Comfort
- Soft Start Motor → Reduces kW Demand
- Anti-Stall → Prevents Stalling at Low RPM
- Temperature Sensor and Connections → Measures, Tracks and Responds in Real Time
- Idle Speed with Gentle Ramp Up/Down → Reduces Noise, Saves Energy and Improves Air Quality
- Manual / Auto Switch → Auto Temperature Mode or Override w/ Manual Dial
- Additional Inputs Available → Ability to Accept and Blend Other Sensors as Needed
- Bypass Safety Switch → Returns Unit to Original State Prior to ComfortPulse™

Benefits

Specifications

Power Input Range: 110-240VAC, 60 Hz, 1-12 Amps, 30-1400Watts
 Power Output Range: 110-240VAC, 15-60Hz, 1-12 Amps, 30-1400Watts
 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.

