

Adaptive Climate Control (ACC): Future of HVAC/R Systems



Retrofit existing or upgrade HVAC/R equipment with Real Time Adaptive Speed to save significant energy and improve performance.

ACC represents a revolution in control of motors up to 5 hp through it's patented photonic technology.

Enables easy, cost effective upgrade of many different types of refrigeration equipment furnaces, air conditioners, heat pumps etc. and decreases compressor runtime duration and frequency.

KEY Features & Benefits

- Proven, fully commercialized **Adaptive Climate Controller (ACC) Technology**
 - 15+ year history in development, demonstration, deployment.
- **Energy Savings:** More efficient control of fan speed – similar to VSDs or EC Motors at lower cost.
- **Improved Indoor Climate and Comfort:** Adaptive match of fan speed/BTU output to provide tight temperature control.
- **Soft Start Motor:** Reduced kW Demand.
- **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.
- **Anti-stall:** Prevents stalling at low RPM.
- **Manual/Auto Switch:** Auto temperature mode or override with manual dial.
- **Additional Inputs:** Ability to accept additional sensors
- **Bypass Switch:** Returns unit to original state.

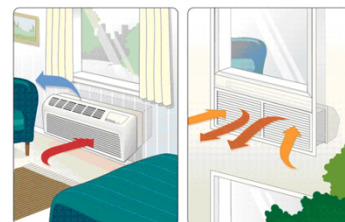
Specifications

Power Input Range: 110-277 VAC, 60 Hz, 1-16 Amps, 30-3,500 Watts

Power Output Range: 110-277 VAC, 20-60 Hz, 1-16 Amps, 30-3500 Watts

Electrical Control Input: Low Power, 2-30 Volts, 4-35 ma

Sensor Control Inputs: Temperature, Humidity, Pressure and Others



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