



INTELLIGENT A/C & REFRIGERATION OPTIMIZATION

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The World Needs More Efficient Air Conditioning & Refrigeration Systems!

Each year, air conditioning systems consume more than One Trillion Kilowatt-Hours of electricity. In warmer climates, or during hotter periods of the year, A/C and Refrigeration units can represent as much as 60% of the total energy being consumed by a facility. Most of the energy being consumed in this equipment is associated with the compressor, or compressors. There is a known problem with cooling systems called Thermodynamic Saturation. This occurs when the temperature differential between air entering and leaving the system starts to decrease. The compressor(s) continue to operate during this condition but are consuming energy without any benefit leading to extended periods of run time to satisfy the indoor space temperature setting. **There is a solution!**

The Air Conditioning Energy Saver, or ACES for short, ensures that your existing A/C, or Refrigeration system performs at its most efficient level by addressing the issue of Thermodynamic Saturation. Through advanced temperature sensing and control algorithms, ACES is able to identify the exact point at which Thermodynamic Saturation is reached and switches the compressor(s) off. Any latent cooling potential still present within the coils is utilized through continued operation of the system's fans. When ACES determines the system is no longer in Thermodynamic Saturation, it turns the compressor(s) back on to resume cooling. The result is a significant reduction in compressor run time without any effect on the indoor space temperature or humidity.

Benefits of the 360 ESI ACES System

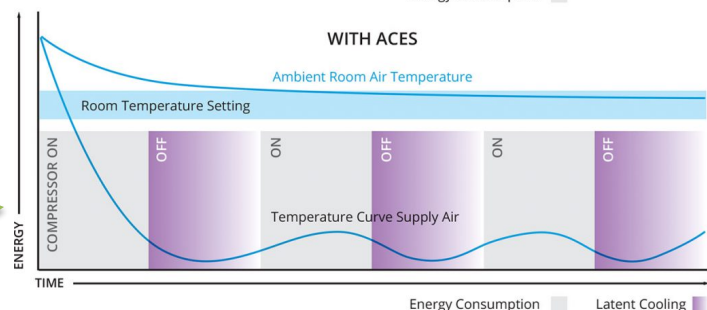
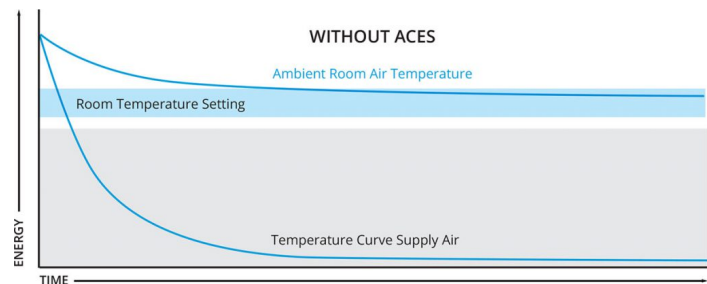
1. Reduces Energy Consumption by up to 26%
2. Improves Comfort Levels
3. Extends Equipment Life
4. Reduces Maintenance and Downtime Costs
5. Simple to Install – Easily Retrofitted into Existing Systems
6. Requires NO Maintenance or Additional Support
7. DOES NOT Affect Space Temperature or Humidity
8. DOES NOT Allow Compressor(s) to Short Cycle
9. DOES NOT Affect Manufacturer Equipment Warranties



Features and Specifications

- CE Listed
- LED Indicator Light Confirms Operation and Status
- Input Power 24VAC to 230VAC
- Set-It and Forget-It Technology
- 3-Year Warranty
- Designed for A/C and Refrigeration Compressors
- Automatic Override Fail Safe Feature

LESS Compressor Run-Time with ACES and NO Changes in the Indoor Space Temperature or Humidity



Keep Your Compressors in the Efficient State and Start Saving Immediately!