



Wireless Pneumatic DDC Thermostat Retrofit Solution Overview

Wi-Stat IIIp - Revolutionary Breakthrough

The World's First Wireless DDC Pneumatic Thermostat

- Direct Digital Control
- No mechanical parts
- Solid State Technology
- No Calibration
- Bi-Directional Wireless
- Part of an extensive family of compatible energy metering, monitoring & control, EMS solutions



Improved control, flexibility, visibility
Reduced operational, maintenance and service cost

Improvements over Existing Pneumatic Operations without a costly full DDC renovation

Because its Wireless

- Over-the-air programming and adjustment
- Remote wireless set point control
- Programmable temperature setbacks and other energy policies
- Smart grid ready

Because its Pneumatic

- Continuous branch-line pressure monitoring
- Leak detection and status notification
- Leak compensating operation

Why Retrofit Pneumatic Thermostats to The Millennial Net Wireless Pneumatic DDC Stat?

- Intelligence and flexibility of DDC for today's complex business and energy environment
- Less cost to deploy, leveraging existing pneumatic infrastructure
- Fast install means conversion can be performed in existing building in use with minimal disruption
- Enforces zone level control energy policies to reduce waste
- Automation and verification for energy/green initiatives, utility efficiency rebates, load curtailment and energy performance programs
- Requires no pulling of wires with danger of asbestos (Hazardous waste) abatement.

Wi-Stat IIIp Pneumatic (Technical Overview)

- Provides modulating pressure control of pneumatic systems operating at 0 ~ 30 psi
- Pressure sensor for branch line pressure measurement
 - Zone thermal load measurement enables AH fan speed control and static pressure reset implementation
 - Pneumatic line diagnostic
- Solid-State Valve for accurate pressure control with extremely low power consumption
- Battery powered
 - 5 year life with 4 3.6V Lithium batteries
- LCD (with night illumination) and simple button design supports efficient user interface