



SuperStat[®] Thermostat Family

Featuring Basic, PRO, and Premium models



Key Features

- Proven SuperStat[®] thermostat design with +/- 1 degree performance
- Flexible control strategies, including cycling with Adaptive Algorithm, ComforTemp and temperature setback
- Price-Response Operations (PRO)
- 120 day profiling of room temperature, setpoint and compressor run time and event logging that can be retrieved*
- Messaging display shows energy usage, current price, etc.* (PRO)
- Configurable local override option
- Web programmability
- PLC communication with Comverge Mainingate[®] systems for integrated DR/AMR/appliance controls (Premium)
- Upgradeable to AMI using ZigBee[®] communication

Benefits

- Direct load control
- Price-responsive demand
- Critical peak pricing
- Control loads with robust and proven VHF or PLC communications
- Advanced digital programmable thermostat design

SuperStat Thermostat Family Features

Innovative Design

The SuperStat is a one-piece leading digital thermostat and load management communications console. It provides the consumer with the capability to reduce kWh usage by user-defined time and temperature setbacks and/or price signal responses. Flexible control strategies allow the utility to deploy the thermostat initially using traditional load control strategies and migrate to Price-Responsive programs at a later time.

The SuperStat is available in multiple configurations to support varying levels of control – from one-way communications for HVAC systems to two-way communications for HVAC, pool pumps, hot water heaters, and other major appliances.

Adaptive Algorithm

The SuperStat monitors HVAC historical operation and controls cycles using percentage-based commands. This helps to eliminate “free-riders” and enables greater control of over-sized systems and more equitable load reduction across customers.

ComforTemp

The SuperStat monitors the room temperature rise during a cycling control event and reduces the cycling percentage once the room temperature reaches the setback value. This helps to reduce customer discomfort during long control periods or in poorly insulated homes.

Flexible Control Strategies

The SuperStat can be configured for a variety of control strategies – cycling, cycling with Adaptive Algorithm, temperature setback, temperature setpoint, or Price-Response Operation based on tier.

- Continued on reverse side



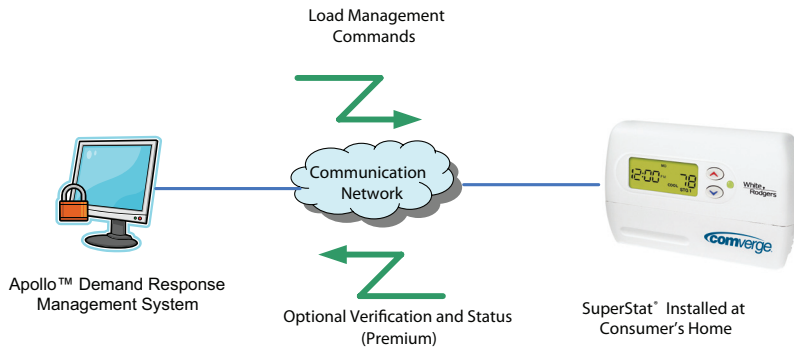
www.comverge.com | 888.565.5225

* MSP – Feature requires use of Manufacture Specific Profile



SuperStat[®] Thermostat Family

Featuring Basic, PRO, and Premium models



Standard Features

- 5-1-1 (Basic) or 7 day programmable (PRO)
- “Universal” HVAC compatibility with single-/dual-stage fossil fuel or heat pump systems
- Hardwire (24VAC) or “power-stealing” power option
- Large backlit LCD display
- Auto-changeover
- Non-volatile memory
- Energy management recovery
- Keypad lockout
- Intuitive alerts and messaging
- Cold Load Pickup and watchdog functionality
- Meets Energy Star[®] requirements

Enhanced Features (Premium)

- Multiple appliance programming and control
- AMR compatibility
- 2-way communication with Maingate system using PLC communication

Technical Specifications

Environmental

- Temperature: 7 to 31°C
- Humidity: 0% to 90% (non-condensing)

Electrical

- 24 VAC hardwire
- Power-stealing (VHF version only)

VHF Communication (Basic/PRO)

- Single frequency 139 MHz to 174 MHz
- 40 dB image rejection
- 15 μ v/m RF sensitivity

ZigBee Communication (PRO)

- 2.4 GHz ZigBee
- Smart Energy Profile V1.0
- 100 mW (+20dBm) output power
- -96 dBm receiver sensitivity

Regulatory

- FCC part 15

Corporate Offices

New Jersey
120 Eagle Rock Avenue, Suite 190
East Hanover, NJ 07936

Georgia
5390 Triangle Parkway, Suite 300
Norcross, GA 30092

Pennsylvania
511 Schoolhouse Road, Suite 200
Kennett Square, PA 19348

