



eStat Thermostat

Two way communication in Real Time

With the eStat, multiple location energy management couldn't be easier. Add value to your existing communications network by managing your energy usage remotely. Easily identify and troubleshoot problems with your HVAC system, avoiding unnecessary on site visits. Receive immediate notification of problems with customized alerts. Keep network traffic low with "On-Demand" communications for normal operational information.

Each eStat ships preconfigured to customer specifications with a user-friendly web interface for programming and monitoring. Thermostatic control and network communications are purposely separated to prohibit interrupted operation of HVAC equipment.

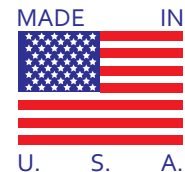


KEY FEATURES

- Manage time/temperature programs from your computer via your wide area or third party network.
- Secure network transmission with AES 256 bit encryption.
- Wires and operates like a traditional thermostat with a digital display showing setpoints, room temperatures and humidity.
- Program temperatures, fans, overrides, button permissions with dual heating/cooling stages.
- Integrates with Lightstat lighting controls to easily program 1 - 10,000 thermostats.
- Reports back system temperatures and equipment status for simple, remote trouble shooting.
- Configurable to local building codes.

APPLICATIONS

- Ethernet Control of HVAC Systems**
- Multi-Site Environmental Control**
- Energy-Saving Programming**
- Remote Management Sites**
- Diagnostic Troubleshooting**
- Multi-Site Retail Stores**
- Quick-Serve Restaurants**



Limited Lifetime Warranty
contact Customer Service for details

eStat Thermostat

Local Controls

- System ON/OFF switch controls HVAC equipment and thermostat
- FAN control button sets fan AUTO or ON operation if permitted
- Adjustment buttons for temporary setpoint program overrides, if permitted
- Cancellable time delays for field verification
- Selectable heating interstage differential for optimal heat pump operation
- Selectable compressor time delays
- Selectable fan control by equipment during heat cycle
- Ability to force either heating or cooling stages ON when troubleshooting
- Ability to toggle state of Auxiliary Relay to verify field wiring

Remote Controls

- Daily temperature/occupancy programming with up to four steps a day
- Corporate controlled setpoints and temperature override permissibility to prevent over-heating or cooling of space
- Limit, completely disallow, or change button functionality for field use
- System retains up to 5 years of performance data on your HVAC equipment and controlled space for diagnostic review
- Notification of HVAC problems via email and/or mobile devices
- Remotely issue/cancel temporary temperature setpoint overrides
- Remotely issue/cancel temporary FAN mode overrides
- Remotely shut down HVAC equipment or simply cycle power to eStat®
- Manipulate cooling setpoint during excessive humidity conditions
- Variable history logging interval

Base System

- eStat® Thermostat
- Digital Temperature and Humidity Sensor
- Remote Supply Air Temperature Sensor
- Cat-5 or Cat-6 Ethernet Cable
- Installation and Operation Manual
- Decorative Wall Plate
- Mounting Hardware

Accessory Kits

- Available upon request

BACKLIT DISPLAY
shows room temperature, heating and cooling set points, and HVAC equipment status.

BUTTONS CUSTOMIZED
for remote or local functionality.

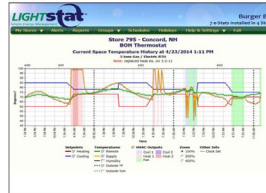
PLUG-N-PLAY
Simple connection to your existing communication network.



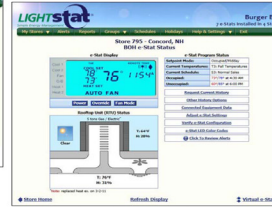
SETUP DIAGNOSTICS
include indicating lights and simple text messages, providing program and transmission status for easy operation by untrained personnel.

PUSH BUTTONS
allow for local temperature adjustments within an owner specified range, or no adjustment at all.

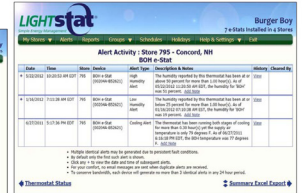
Real time reporting from multiple locations puts you in control of energy usage from your PC.



Look at past hours of system history to verify efficient operation.



Easy to read HVAC status at a glance.



Electronic reports will keep you informed with alerts.

ELECTRICAL SPECIFICATIONS

General:

- Voltage Rating.....20 to 32 VAC
- Current Draw (*Typ*).....250mA @ 24VAC

Network:

- Cabling.....Cat-5 or Cat-6 with RJ45 connector
- Ethernet.....10/100BT Auto-Sensing
- Wiring Distance (*Max*).....328 ft

HVAC:

- Cabling.....up to 10-Conductor, #18AWG
- Wiring Distance (*Max*).....500 ft

All Relays, Rated (per UL):

- 24 VAC, 60 Hz, Class 2, 1A, Resistive / Pilot Duty

Sensor:

- Cabling.....2-conductor, #18AWG
- Wiring Distance (*Max*).....500 ft

To Order Call Customer Service

1.800.292.2444

Part Number

Description

ESTAT-xx	eStat® Internet Programmable Thermostat
DTS	Digital Temperature Sensor
DTHS	Digital Temperature and Humidity Sensor
RTH	Remote Temperature/Humidity Sensor
SAS	Supply Air Sensor

Lightstat Inc. 22 W. West Hill Rd. Barkhamsted, CT 06063
 USA 1.800.292.2444 sales@lightstat.com www.lightstat.com
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