

# Building Control Systems



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customer.honeywell.com/buildings

**TO:** Authorized Systems Distributors and Commercial Controls Distributors  
Automation & Control Specialists  
Authorized Controls Integrators  
Commercial Comfort & Energy Specialists  
Honeywell Sales Representatives

**FROM:** Dan Sullivan, Senior Product Manager  
Levi Gadelmann, Product Specialist

**SUBJECT:** Announcing WebStat™ Web-based Communicating Thermostat System  
**Available Q2 2007**

**BULLETIN:** 07-0005

Honeywell is pleased to announce the new WebStat Web-based Communicating Thermostat System. WebStat allows you to step up from standalone thermostat control to the automated T7350H communicating thermostat platform without incurring any excessive direct digital control cost or complexity.

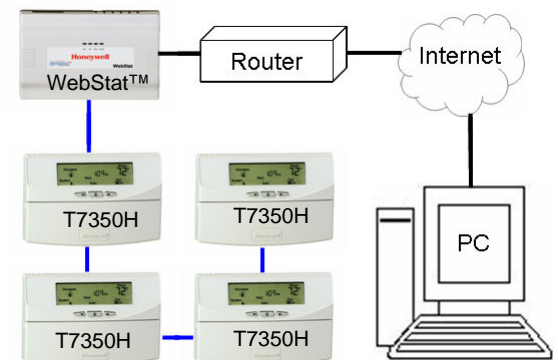


## What is WebStat?

WebStat is a web-based communicating thermostat system based upon the T7350H LonWorks® communicating thermostat. WebStat allows a network of T7350H's to be accessed via the Internet from anywhere in the world. Now contractors can configure, program and commission thermostats without the use of any other software. WebStat also has an intuitive web browser interface so end users can easily access their network of thermostats and make changes to their system without having to be in the building.

## Why Buy WebStat?

WebStat fills the growing need for simple, low cost web based HVAC automation systems. The WebStat system is for customers of all sizes. Upgrading from standalone thermostats to communicating thermostats will increase energy savings and can provide customers with an even quicker return on their investment by allowing increased scheduling abilities and remote access for both end users and service contractors. Bottom line; WebStat saves money.



## Target Audience

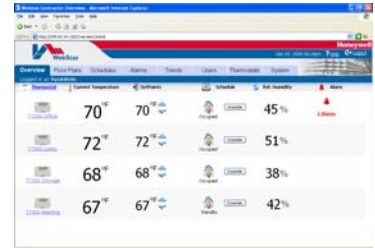
WebStat is ideal for customers with a thermostat-controlled environment. WebStat's **energy savings, low installed cost, simplicity and reliability** make it the perfect solution for customers who want to maximize their investment.

## Features

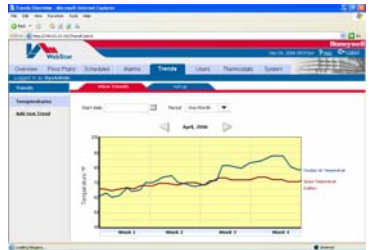
- **Remote Monitoring and Programming:** Remote access and remote programming are done through the same easy-to-use web-based interface. With the entire system accessible from anywhere, customers will

always be able to view and make changes to their system as necessary. Contractors will also be able to perform diagnostics and trend system parameters without having to visit the site.

- **Energy Savings:** WebStat lowers energy costs by allowing economizer integration, enabling free cooling and turning control over to economizers or demand control ventilation when appropriate. Room integration features such as a time-of-day output and motion-detection input also help capture savings. Plus, 365-day scheduling and special event schedules enable comfort enhancements without sacrificing energy savings.



- **Trending and Alarming:** WebStat lets you track everything from temperature and humidity to discharge air temperature, outdoor air temperature and more. You can use this information for remote troubleshooting and monitoring. Alarms can be set up to notify designated people in the event of an unwanted change, helping to catch problems early and reduce service calls.

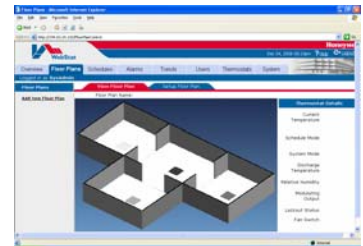


- **One Universal Tool:** By combining programming, commissioning and graphics into a single plug and play tool, WebStat speeds up engineering, eliminates installation problems and lowers total installation cost.

- **Simple Installation:** WebStat saves installation time by self discovering all thermostats on the network and streamlines configuration with an easy to use wizard.

- **Assigned Control for Ultimate Comfort:** WebStat users can be assigned privileges so they only have access to the features and parameters for their particular thermostats.

- **Wiring Diagram Generation:** Wiring diagrams make it easy to install the thermostat and any remote sensors, so the chances of wiring errors are greatly reduced. This function can dramatically lower the engineering service and installation costs per site, so total installed and overall costs are kept low.



- **Floor Plan Graphics:** The floor plan graphics functions makes it easy to pull up the thermostat locations and attributes right on your screen in a format that allows users or service contractors to view the thermostats within a floor plan layout that is representative of the location of the thermostats.

## Applications

- Staged equipment: 3H/3C or 2H/4C for conventional equipment and 3H/2C for heat pump systems (heat pump allows 3<sup>rd</sup> stage of auxiliary heat).
- Modulating equipment: Two 4-20mA outputs (one for heat and one for cool) plus an additional 3 outputs for staged heating and cooling

## How to Order

- WebStat is available only to ASDs and CCDs.
- WebStat will be available in Q2 2007.
- **All licenses for the WebStat are pre-loaded and included in the price of the product, so no license ordering is necessary.**

Product	OS NUMBER	Description	Make Market Base Price
WebStat™ Controller Y-Pack	W7350A1000	Contains one WebStat Controller, one Lon Card (NPB-LON) and one power supply (NPB-WPM-US)	Pricing will be announced when this product is available in Q2 2007
Staged Thermostat	T7350H1009	3H/3C or 2H/4C Conventional and 3H/2C Heat Pump	\$663 per unit

Modulating Thermostat	T7350H1017	Two 4-20mA outputs plus 3 additional staged outputs	\$714 per unit
DIN Rail Power Supply (optional)	NPB-PWR	24V DIN Rail Power Supply	\$208 per unit
White DIN Rail Power Supply Cover (optional)	TBD	White cover to replace the standard cover	\$10 per unit

## Additional Tools and Information

A dedicated WebStat™ Website is available at <http://customer.honeywell.com/buildings>. Currently you can find product photos, sales literature and technical literature on that site. Additional tools will be uploaded in Q2 when the product is available.

## Performance Specifications

- Thermostats supported per WebStat™ Controller – approximately 12\*
- Alarms – 200\*
- Schedules – 5\*
- Floor Plans – 5\*
- Trends – 5\*
- Device Discovery – WebStat will self discover all T7350H's on the network
- Simultaneous Users – 3\*
- Multi-Tenant user setup

\*Subject to change

## Features and Benefits

Low Cost	
Feature	Category
Embedded Software	Low Install Cost
"Universal" Tool	Low Install Cost
Wizard Programming/Config Tool	Low Install Cost
T7350 Palm Preprogramming	Low Install Cost
Device Self-Discovery	Low Install Cost
Automated Wiring Diagram	Low Install Cost
Sensor Averaging Diagram	Low Install Cost
Copy Features	Low Install Cost
Estimating Tool	Low Install Cost
Remote Monitoring, Thin Client	Low Operating Cost
Trending, Troubleshooting	Low Operating Cost
Floor Plan Locator	Low Operating Cost
Remote Programming	Low Operating Cost

Simplicity	
Feature	Category
Web Browsing	Ease Of Use
Multi-User Access View	Ease Of Use
Privilege Set-up Selection	Ease Of Use
"Universal" Tool	Ease Of Use
Limited Training Needed, Training Tool	Ease Of Use
Y-pack Order	Easy to Order
Estimating Tool	Easy to Order

Performance/Reliability	
Feature	Category
T7350 Six Sigma Manufacturing	Reliability
LonWorks Network Variables	Reliability
Alarm Set-up & Messaging	Reliability
Discharge Air Sensor	Equipment Protection
Outside Air Temp Lockouts	Equipment Protection
Dehumidification	Advanced Comfort
Customizable PID Algorithm	Advanced Comfort
Remote Sensor Averaging	Advanced Comfort

Energy Savings	
Feature	Category
Economizer Relay Integration	Operating Savings
365 Day/Special Event Scheduling	Operating Savings
Override Button	Operating Savings
Outside Air Temp Lockouts	Operating Savings
Thermostat Assignment	Operating Savings
Occupancy Detection	Room Integration
Time of Day Relay Output	Room Integration

## WebStat Quick Reference Application Guide

Noted below are the most beneficial features by vertical market

Vertical Market Strengths	Schools	Banks	Healthcare	Gyms, Theatres	Office	Churches	Restaurant	Retail	Warehouse	Public Museums, Libraries
Advanced Comfort Control	X		X	X		X	X	X		X
Advanced Dehumidification	X		X	X				X	X	X
Commercial Code Compliant	X	X	X	X	X	X	X	X	X	X
Customizable Recovery Ramp		X	X		X			X		
Economizer/Demand Control Ventilation Output	X	X	X	X	X	X	X	X	X	X
Equipment Lockout Options	X	X	X	X	X	X	X	X	X	X
Equipment Protection - Discharge Air Sensor	X	X	X	X	X	X	X	X	X	X
Holiday Scheduling	X	X		X	X		X	X		X
Occupancy Sensor Integration	X				X	X				
Remote Sensing			X	X	X	X	X	X		X
Temporary Override (1-8 hrs.)	X				X					

## Remote Sensors Compatible with the T7350H for WebStat

Honeywell has a full line of remote sensors that are compatible with the T7350 (refer to <http://customer.honeywell.com/buildings>, WebStat tab, for bulletin 06-0036 for averaging temperature sensors with the T7350, Commercial VisionPRO™ or CommercialPRO™).

### Remote Room Sensors

T7770A1006	20K Sensor
T7770A3002	10K Sensor for Averaging
T7770B1046	20K Sensor with +/- 5° Setpoint Adjust
T7770C1044	20K Sensor with +/- 5° Setpoint Adjust and Bypass
T7770D1000	20K Sensor with Bypass
T7771A1005	20K Sensor with +/- 3° Setpoint Adjust and Bypass



T7771A1005  
Remote Wall

### Remote Humidity Sensors

H7625A1008	2% Accuracy Wall Mount
H7625B1006	2% Accuracy Duct Mount
H7635A1006	3% Accuracy Wall Mount
H7635B1004	3% Accuracy Duct Mount
H7635C1002	3% Accuracy Outdoor
H7655A1001	5% Accuracy Wall Mount
H7655B1009	5% Accuracy Duct Mount



T7770C1044  
Remote Wall Sensor

### Discharge Air Sensors

C7041B2005	20K Discharge Air Sensor, 5" Duct Insertion
C7041B2013	20K Discharge Air Sensor, 12" Duct Insertion



C7031G2014  
3K Platinum  
Outdoor Air Sensor

### Outdoor Air Sensors

C7031G2014	3K Platinum Outdoor Air Sensor
C7170A1002	3K Platinum Outdoor Air Sensor

## Product Availability

The WebStat Controller (W7350A1000) will be in stock at the Louisville Distribution Center (LDC) and ready to order through the Customer Service Representatives in **Q2, 2007**. The WebStat controller is:

- A Make product
- A restricted product available only to Honeywell ASDs and CCDs.

## Contact Information

Customer Care	
Ordering products and literature	763-954-5720
Literature Print on Demand Website	<a href="http://literature.honeywell.com">http://literature.honeywell.com</a>

## Literature

TECHNICAL LITERATURE		
95-7722	Installation Instructions	Download from <a href="http://customer.honeywell.com/buildings">http://customer.honeywell.com/buildings</a>
63-2658	Owner's Guide	
63-2657	Quick Start Guide	
SALES MATERIALS		
63-9628	Brochure	Print on Demand <a href="http://literature.honeywell.com">http://literature.honeywell.com</a> or download from <a href="http://customer.honeywell.com/buildings">http://customer.honeywell.com/buildings</a>
63-9629	Poster	Order from LDC; viewable at <a href="http://customer.honeywell.com/buildings">http://customer.honeywell.com/buildings</a>
63-9636	Postcard	Print on Demand <a href="http://literature.honeywell.com">http://literature.honeywell.com</a> only
WebStat-FLYER	Flyer	Download from <a href="http://customer.honeywell.com/buildings">http://customer.honeywell.com/buildings</a> only

If you have any questions about the new WebStat Controller, please contact your Honeywell sales representative.