



Wireless HVAC Management

Description

Autani's Wave Thermostat is a wirelessly networked thermostat featuring a touchscreen interface and integrated humidity control designed for use with Autani's *EnergyCenter* HVAC Management System. *EnergyCenter* manages heating and cooling based upon schedule, occupancy, and demand response events.

Simple to install, the Wave is a direct replacement for many existing thermostats and can sense temperature either at the stat or via a remote sensor.

Input from contact or occupancy sensors can toggle the occupancy status of a particular room or area. "Occupied" and "Unoccupied" settings are used to vary heating and cooling setpoints, and maximize savings.

Connectivity between Thermostats and other *EnergyCenter* devices is via the secure, reliable *autaniNet* wireless mesh network. The Wave Thermostat maintains local HVAC control, even if network communication is lost.

EnergyCenter devices are managed with an Autani Manager appliance running EnergyCenter software and can be part of an EnergyCenter integrated energy management system.

Applications

Wave Thermostats are suitable for renovation, upgrade, and new construction projects.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores



Features

- Touchscreen interface for intuitive operation
- Integrated humidity control
- Easy to install, fast to configure, managed Thermostat is compatible with most commercial and residential HVAC Systems
- Configuration options support multiple equipment types from one hardware platform
- Can limit the minimum and maximum values for heat and cool set-points
- Supports remote temperature sensor input or contact/occupancy sensor input
- Web-based, remote access and management
- User-definable occupied and unoccupied setpoints can be varied based upon schedule and curtailment stages
- autaniNet secure wireless 2.4GHz communications with other network devices
- Large backlit display with keyboard locks
- Available wired and wireless door/window contacts to set back HVAC when doors and windows are open







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Specifications

SETPOINT RANGE

Heating: 41°F to 120°F (5°C to 49°C)

EnergyCenter

Cooling: 43°F to 122°F (6°C to 50°C)

EQUIPMENT COMPATIBILITY

- Heat Only
- Cool Only
- Heat/1 Cool
- Heat/2 Cool
- Heat/1 Cool Heat Pump with AUX Heat
- Heat/2 Cool Heat Pump with AUX Heat
- Heat/2 Cool Dual Fuel Heat Pump with AUX Heat
- Heat/1 Cool Dual Fuel Heat Pump with AUX Heat
- Heat/1 Cool Multi-speed fan
- Heat/1 Cool Heat Pump with Emergency Heat
- Heat/1 Cool Heat Pump with AUX & Emergency Heat

RADIO NETWORK (autaniNet)

- IEEE 802.15.4-2003 2.4GHz ISM
- Range: Up to 2000' LOS transmit/ receive

REGULATORY APPROVALS

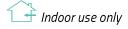
- FCC ID: V8NZRB1000152
- IC: 7737A-ZRB1000152

ENVIRONMENTAL

- Operating Ambient Temp: 32°F to 122°F (0°C to 50°C)
- Shipping Temp: 14°F to 140°F (-10°C to 60°C)
- Operating RH (Non-condensing): IRS-1: 5% to 95%, ORS-1: 5% to 95%
- Humidity Display Range: 0% to 99%

PHYSICAL

- Dimensions (HxWxD): 4.6 x 6.09 x 1.29 in
- · Color: Black



Ordering Information

SKU	Description
TBD	Autani Wave Thermostat
Optional Accessories	
A01-09-0537-01	T32S1 Indoor/ Outdoor Wired Remote Temperature Sensor
A06-01-0440-01	autaniNet/EnOcean Bridge
A07-05-0001-01	Key Card Holder, 24VDC, for vacancy detection
A07-01-0403-01	autaniNet Wireless Range Extender. Includes 24VDC Power Supply with parallel blade plug.
A07-01-0403-02	autaniNet Wireless Range Extender. Requires 24VDC Power Supply (not included).

Dimensions

