

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

Specifications

SETPOINT RANGE

- Heating: 41°F to 120°F (5°C to 49°C)
- Cooling: 43°F to 122°F (6°C to 50°C)

EQUIPMENT COMPATIBILITY

- Heat Only
- Heat/1 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
- Cool Only
- Heat/2 Cool

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



Indoor use only

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

