AWT1000 Thermostat

Wireless HVAC Management

Description

The AWT1000 thermostat provides even, comfortable temperature control. It is a safe, reliable product built from quality materials, with a clean, modern design.

The Autani AWT1000 is a wirelessly networked thermostat for use with Autani's *EnergyCenter* HVAC Management System. *EnergyCenter* manages heating and cooling based upon schedule, occupancy, and demand response events.

The AWT1000 can also pair with Keilton+autani BLE occupancy sensors and existing Zigbee occupancy sensors for thermostat occupancy control of a particular room or space. "Occupied" and "Unoccupied" settings vary the heating and cooling setpoints to maximize savings.

Thermostats connect to other EnergyCenter devices over the secure, reliable autaniNet wireless mesh network. The AWT1000 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.



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RoHS COMPLIANT

zigbee

Indoor use only

EnergyCenter® BY AUTANI

SUPPORTS T24 COMPLIANCE

Applications

AWT1000 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

- Easy to install and fast to configure. This managed thermostat works with most commercial and residential HVAC systems
- Web-based, remote access and management
- Separate heating and cooling setpoints with deadband control via EnergyCenter
- 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
- Pairs with Keilton+autani BLE occupancy sensors and existing Zigbee occupancy sensors
- Large backlit display with keyboard locks and PIN-protected installer setup menus

7001 Columbia Gateway Drive, Suite 210, Columbia, MD 21046, USA

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Specifications

ELECTRICAL

- Power Supply: 24VAC ±10%
- Current Load: 1A (Inductive) 3A (Resistive)
- Power Consumption: <1.5W

TEMPERATURE SENSING

- Accuracy: ±1°F
- Temperature Sensor(s): NTC B3950, 10K
- Set Temp. Range: 42°F to 122°F (5°C to 50°C)
- Display Temp. Range: 41°F to 210°F (5°C to 99°C)

DISPLAY

- Display Size (WxH): 5.118" x 3.54"
- Back Light: LED
- Interface/Buttons: Capacitive Touch Buttons
- Display Resolution: 1°F (0.5°C)

OPTIONS

- Internal Sensor Calibration: ±4.5°C
- Remote Sensor Calibration: ±9°C

EQUIPMENT COMPATIBILITY

- Timing Error: <1%
- Equipment Stages: 4H/2C, Heat Pump, Dual Fuel

RADIO NETWORK (autaniNet)

- Protocol: Zigbee (IEEE 802.15.4)
- Wireless Radio: autaniNet (802.15.4)
- Wireless Range: Up to 1,000ft LOS

REGULATORY APPROVALS

- FCC ID: V8NZRB1000186
- IC: 7737A-ZRB1000186

ENVIRONMENTAL

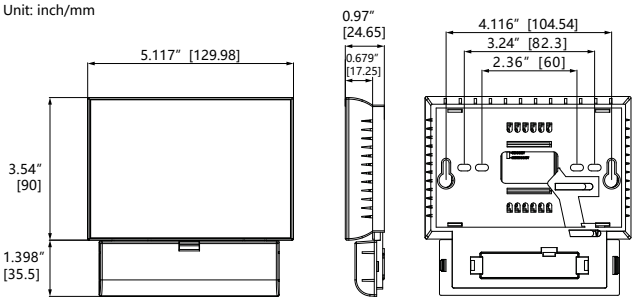
- Ambient/Operating Temp: 32°F to 113°F (0°C to 45°C)
- Storage Temp: 23°F to 113°F (-5°C to 45°C)
- Outdoor Air Range: 32°F to 158°F (0°C to 70°C)
- Ambient Humidity: 5-95%RH (Non-Condensing)

PHYSICAL

- Dimensions (HxWxD): 4.94" x 5.117" x 0.97"
- Color: White
- Weight: 9 oz
- Protection Class: IP20
- Shell Material: PC+ABS, flame retardant (UL 94 V-0)
- Available Installation 1: Wall mounted
- Available Installation 2: Distance of 62 ± 5mm (Europe, China and Japan)
- Available Installation 3: Hole Distance of 86 ± 3mm (USA and Italy etc.)
- Wire Terminals: Wire 2x1.5mm² or 1x2.5mm²

Dimensions

Unit: inch/mm



Ordering Information

SKU	Description
AWT1000	Autani AWT1000 Wireless Thermostat

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