ZX Series Energy Management Thermostat

Model: ZX-TW-KT
Wireless Energy Management Thermostat

> **Modern, trendy thermostat**

> **Unparalleled energy savings**

> **Aux output for control of external devices**

> **Uncompromising guest comfort**

> **Optional Online Management[1]**

The Verdant ZX Series Thermostat delivers unprecedented energy savings without compromising guest comfort.
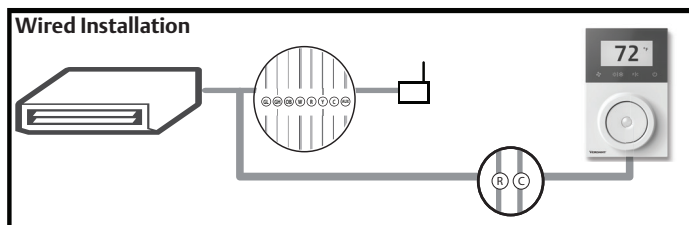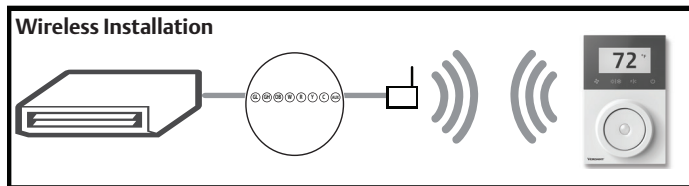
An integrated occupancy sensor allows for energy saving when rooms are unoccupied. Energy saving presets eliminate guesswork and make it easy to adjust the energy saving settings.

A patented "Night Occupancy" feature ensures comfort while guests are sleeping.

Built-in wireless mesh-networking enables optional online management features.

Fully configurable settings allow for customization of energy savings to fit any situation.

- Temperature Setback automatically adjusts the temperature when rooms are unoccupied to save energy.

- Temperature Recovery allows for setting a maximum time permitted for establishing a comfortable room temperature.

- Setback Optimization monitors the temperature recovery rate and optimizes setback temperatures.

- Setback Limits control the maximum and minimum room temperature when a room is in setback mode.

- Set Point Limits prevent guests from setting the room temperature to extreme, energy-wasting levels.

Typical HVAC Applications

- PTAC with Electric Heat
- PTHP with Electric Heat
- FCU 2-Pipe, 2 Fan, with Electric Heat
- FCU 4-Pipe, 3 Fan
- Heat Pump, 2 Fan, with Electric Heat
- WSHP, 2 Fan, with Electric Heat
- FCU, 2/4-Pipe, ECM Fan
- VRF Systems (Part # ZX-RSW-KT)

	Thermostat	HVAC Controller
Case Dimensions (Imperial)	3.00" x 4.73" x 1.32"	4.84" x 2.76" x 1.02"
Case Dimensions (Metric)	76mm x 120mm x 34mm	123mm x 70mm x 26mm
Screen Dimensions (Imperial)	1.88" x 0.94"	N/A
Screen Dimensions (Metric)	48mm x 24mm	N/A
Operating Voltage	2 "AAA" Cell Batteries	24VAC (HVAC Unit)
Control Outputs		Fan High (GH)
		Fan Low (GL)
		Compressor (Y)
		Heat Pump (OB)
		Heat (W)
		Occupancy Out (Aux)
Occupancy Sensor Beam Width	±47° (94°)	NA
Wireless Frequency	900MHz	900MHz
Temperature Accuracy	±1°F	NA
FCC ID	XEYZXWU	XEYV8ACCC
IC	8410A-ZXWU	8410A-V8ACCC

Wireless Installation

Wired Installation

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

PURSUANT TO PART 15.21 OF THE FCC RULES, ANY CHANGES OR MODIFICATIONS TO THIS EQUIPMENT NOT EXPRESSLY APPROVED BY VERDANT ENVIRONMENTAL TECHNOLOGIES, INC. MAY VOID VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

US PATENTS: 8,369,994; 8,141,791; 7,918,406; 7,841,542; 7,838,803; RE40,437; 7,232,075; 7,185,825; 7,156,318; 7,152,806; 7,145,110; 7,058,477; 7,050,026; 7,028,912; 6,902,117; 6,789,739; 6,786,421; 6,619,555; 6,581,846; 6,578,770; CANADIAN PATENTS: CA2615065; CA2633113; CA2633121; CA2633200; OTHER PATENTS PENDING.

Verdant Energy Management Solutions reserves the right to make changes, without notice, in design or components as progress in engineering and manufacturing methods may warrant. Product appearance may vary.
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