

# ZX Series Energy Management Thermostat

## Model: ZX-TR-KT Wired Energy Management Thermostat

- > **Modern, trendy thermostat**
- > **Unparalleled energy savings**
- > **Aux output for control of external devices**
- > **Uncompromising guest comfort**
- > **Optional Online Management<sup>1</sup>**

The Verdant ZX Series Thermostat delivers unprecedented energy savings without compromising guest comfort.

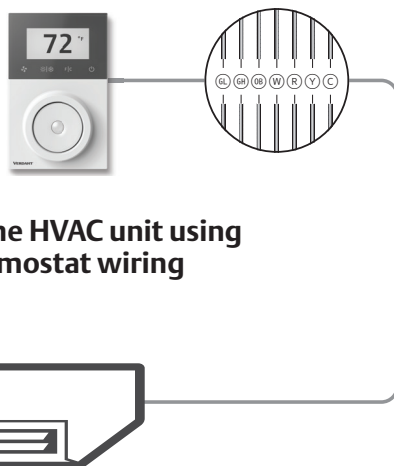
An integrated occupancy sensor allows for energy saving when rooms are unoccupied. Energy saving presets eliminate guesswork and make it easy to adjust the energy saving settings.

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.



**Connects to the HVAC unit using standard thermostat wiring**



### Typical HVAC Applications

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

	Thermostat
Case Dimensions (Imperial)	3.00" x 4.73" x 1.32"
Case Dimensions (Metric)	76mm x 120mm x 34mm
Screen Dimensions (Imperial)	1.88" x 0.94"
Screen Dimensions (Metric)	48mm x 24mm
Operating Voltage	24V AC/DC
Control Outputs	Fan High (GH)
	Fan Low (GL)
	Compressor (Y)
	Heat Pump (OB)
	Heat (W)
	Occupancy Out (Aux)
Occupancy Sensor Beam Width	±47° (94°)
Wireless Frequency	900MHz
Temperature Accuracy	±1°F
FCC ID	XEYZXWU
IC	8410A-ZXWU



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 UNDESIRABLE 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 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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<sup>1</sup> Requires a network access license for each thermostat (Part Number: XMF) and one "Online Connection Kit" (Part Number: OL-KT). Additional fees apply.