

# VX Series Energy Management Thermostat

## Model: VX-TW-KT-W Wireless Energy Management Thermostat

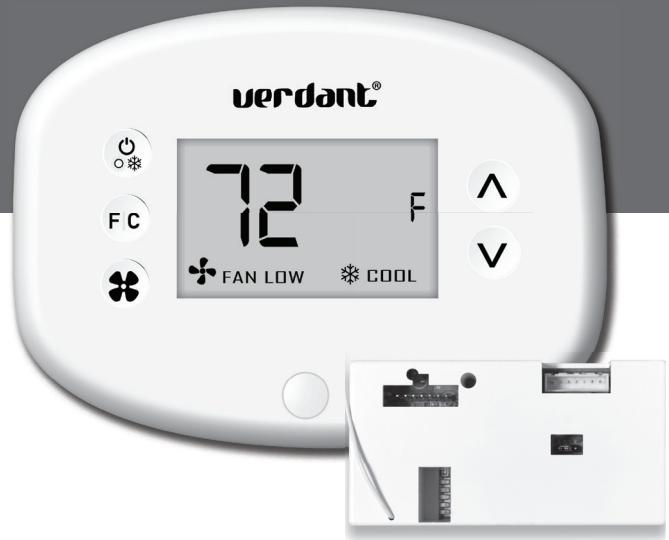
- > **Easy to use Thermostat**
- > **Unparalleled Energy Savings**
- > **Uncompromising Guest Comfort**
- > **Quick-and-Easy Installation**
- > **Online management capabilities<sup>1</sup>**

The Verdant VX 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.

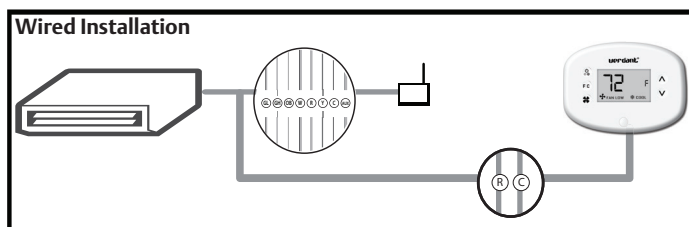
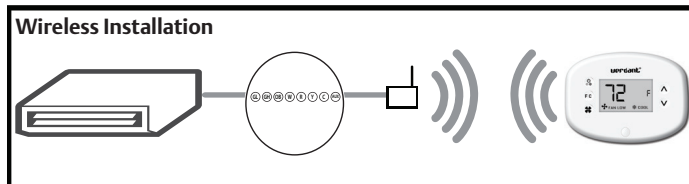
- Temperature Setback automatically adjusts the temperature when rooms are unoccupied to save energy.
- Temperature Recovery allows for setting a maximum time permitted for establishing a comfortable room temperature.
- Setback Optimization monitors the temperature recovery rate and optimizes setback 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
- 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 # VX-RSW-KT-W)

	Thermostat	HVAC Controller
Case Dimensions (Imperial)	4.02 x 5.51" x 0.93"	3.88" x 2.13" x 0.75"
Case Dimensions (Metric)	102mm x 140mm x 23.5mm	98mm x 54mm x 19mm
Screen Dimensions (Imperial)	3.63" x 2.13"	N/A
Screen Dimensions (Metric)	92mm x 54mm	N/A
Operating Voltage	24VAC	24VAC
Control Outputs	Occupancy Out (Aux)	Fan High (GH) Fan Low (GL) Compressor (Y) Heat Pump (OB) Heat (W)
Occupancy Sensor Beam Width	±47° (94°)	N/A
Wireless Frequency	902-928MHz	902-928MHz
Temperature Accuracy	±1°F	N/A
FCC ID	XEYWX	XEYV8ACCC
IC	8410A-WX	8410A-V8ACCC



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 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 Environmental Technologies, Inc. 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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\* Also available in black. For black, replace W with B.



<sup>1</sup> Requires an optional "Online Connection Kit" (Part Number: OL-KT). Additional fees apply.