

# VX Series Energy Management Thermostat

Model: VX-RSW-KT-W

Wireless RS485 Energy Management Thermostat

- > **Easy to use Thermostat**
- > **Compatible with VRF, VRV, & Mini Split systems<sup>†</sup>**
- > **Uncompromising Guest Comfort**
- > **Quick-and-Easy Installation**
- > **Online management capabilities<sup>1</sup>**

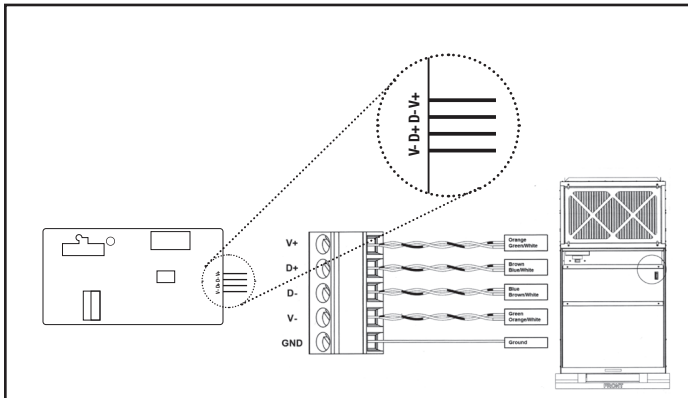
The Verdant VX Series thermostat delivers unprecedented energy savings without compromising guest comfort. An Integrated occupancy sensor allows for energy saving when rooms are unoccupied.

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.

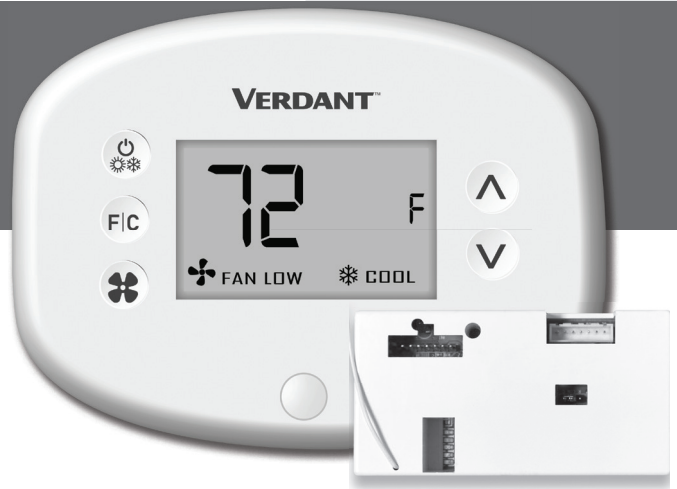
Built-in wireless mesh-networking enables optional online management features. Fully configurable settings allow for customization of energy savings to fit any situation.

- 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.

## Installation



<sup>†</sup> A third party adaptor (sold separately) may be required.



### Control Card Installation - Wiring Table

| Wire Color | Terminal Letter |
|------------|-----------------|
| RED        | V+              |
| BROWN      | D+              |
| BLUE       | D-              |
| GREEN      | V-              |

### Optional Thermostat Power Installation - Wiring Table

| Wire Color | Terminal Letter |
|------------|-----------------|
| BLACK      | V-              |
| RED        | V+              |

|                              | 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            | 2 "AA" Cell Batteries  | 12VDC                 |
| Control Outputs              |                        | V+                    |
|                              |                        | D+                    |
|                              |                        | D-                    |
|                              |                        | V-                    |
| 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 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.

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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.