



ENERGY STAR CERTIFIED Smart Thermostats

Verdant - ZX-TW-* : ZX-TW-*

| Specifications | |
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| ENERGY STAR Unique ID: | 3417587 |
| ENERGY STAR Partner: | Emerson |
| Service Brand Name: | Verdant |
| Service Model Name: | ZX-TW-* |
| Service Model Number: | ZX-TW-* |
| Thermostat Brand Owner: | Copeland Comfort Controls LP |
| Thermostat Brand Name: | Verdant |
| Thermostat Model Name: | ZX |
| Thermostat Model Number: | ZX-TW |
| Standby Power (W): | 0.83 |
| Thermostat Heating and Cooling Control Features: | Time of Day Usage,Additional Home Temperature Sensor,Other,Additional Occupancy Sensor,Humidity Sensing,Occupancy Sensor on Device |
| Other Heating and Cooling Control Features: | Occupancy based schedule |
| Thermostat Communication Method: | Bluetooth,Zigbee,Other |
| Communication Method Other: | Sub-GHz mesh networking and wireless communication protocol between devices |
| Demand Response Summary: | Verdant Thermostats deliver cutting-edge demand response capabilities to commercial and multifamily properties across diverse utilities. In 2023, our success in implementing demand response spanned multiple utilities in North America. Verdant offers a user-friendly interface for load managing entities and demand response aggregators to effortlessly create and configure demand response events for multiple properties simultaneously. These events are highly customizable, accommodating different user groups. Our Demand Response API seamlessly integrates with Demand Response Management Systems (DRMS) service provider platforms, providing control to demand response firms for configuring events for end customers. This API enables units to be pre-cooled or pre-heated before an event, with options for gap periods, followed by the demand response event. Residents are kept informed with a distinct DR icon on the thermostat. They retain control, easily opting out by adjusting the setpoint. Our APIs support both batch and event-level configurations for demand response, with options to check status and delete events as needed. Crucially, our APIs also allow aggregators/utilities to create critical DR events, ensuring these cannot be opted out by residents. Furthermore, valuable feedback on event opt-outs, overrides, and load shed performance is available through the API to the Load Managing Entity. |
| Date Available on Market: | 2022-12-08 |
| Date Certified: | 2024-02-27 |
| Markets: | United States, Canada |

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| ENERGY STAR Certified: | Yes |
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Captured On:
06/18/2025