

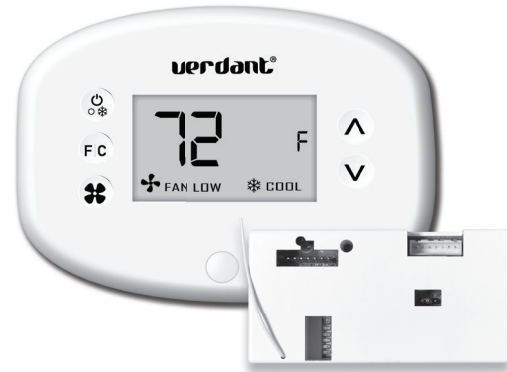
# VX Series

Energy Management Thermostat

# Model: VX-TL-KT

Energy Management Thermostat with Lighting Control

- Easy-to-use Thermostat
- Unparalleled Energy Savings
- Uncompromising Guest Comfort
- Quick-and-Easy Installation
- Aux Output For Control Of External Devices
- Remote Management Capabilities\*



Control Card Installation - Wiring Table (A)

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

An Integrated occupancy sensor reduces HVAC and Lighting energy use 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 remote 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.

Wiring Table - 24V AC

Wire Color	Terminal Letter	Terminal Connection
BLACK	C	COMMON
RED	R	24V
YELLOW	Y	COMPRESSOR
WHITE	W	HEAT
ORANGE	O/B	REVERSE VALVE
GREEN	GH	FAN HIGH
PURPLE	GL	FAN LOW
BROWN	AUX	AUXILIARY

Wiring Table - 24V DC

Wire Color	Terminal Letter	Terminal Connection
BLACK	R	24V
RED	C	COMMON
YELLOW	Y	COMPRESSOR
WHITE	W	HEAT
ORANGE	O/B	REVERSE VALVE
GREEN	GH	FAN HIGH
PURPLE	GL	FAN LOW
BROWN	AUX	AUXILIARY

Thermostat to Control Card Installation (Optional) - Wiring Table (B)

Wiring Table - 24V AC

Wire Color	Terminal Letter	Terminal Connection
BLACK	C	COMMON
RED	R	24V

Wiring Table - 24V DC

Wire Color	Terminal Letter	Terminal Connection
BLACK	R	24V
RED	C	COMMON

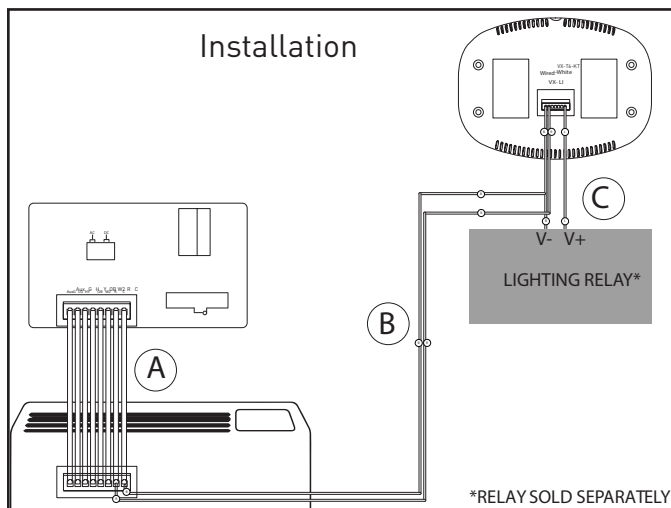
Thermostat to Lighting Relay Installation - Wiring Table (C)

Wiring Table - 24V AC

Wire Color	Terminal Connection
BLACK	COMMON
PURPLE	LIGHT RELAY

Wiring Table - 24V DC

Wire Color	Terminal Connection
RED	COMMON
PURPLE	LIGHT RELAY



\*RELAY SOLD SEPARATELY

	Thermostat	Wireless Control Card
Case Dimensions (Imperial)	4.02 x 5.51" x 0.93"	3.875" x 2.125" 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	3V DC - 2 "AA" Cell Batteries	24V AC/DC (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°)	N/A
Wireless Frequency	902-928MHz	902-928MHz
Temperature Accuracy	±1°F	N/A
FCC ID	XEYWX	XEY8ACCC
IC	8410A-WX	8410A-V8ACCC