Wired Energy Management Thermostat with Occupancy Detection

This thermostat delivers unprecedented energy savings without compromising comfort in a sleek and modern design with fingerprint resistant glass.

Key features

Energy Savings

Reduce HVAC runtimes by 45% on average with our energy management system that allows full customization of energy savings to fit any situation.

Seamless Networking

Connect up to 1,000 rooms through one hub with our built-in wireless mesh-networking that does not interfere with your Wi-Fi network.

Plug & Play Installation

Whether you're retrofitting an existing property or breaking ground on a new construction, our thermostat can be self-installed in less than 10 minutes per unit.

Smart Integrations

Integrates with industry-leading smart room technology, property management software, door locks and lighting solutions.

Online Management

Our easy-to-control interface, real-time alerts and notifications and monthly reporting makes it simple to manage your properties.

Works seamlessly with the following systems, making it the perfect fit for your HVAC system setup.

- Vert-I-Pak®
- ZoneAire® Select PTAC
- ZoneAire® Premier PTAC
- FreshAire® PTHP

Models	
Friedrich	EMRTA4, EMRTB4
Rheem	EMRTA4R, EMRTB4R
Ruud	EMRTA4U, EMRTB4U

Thermostat Specs

Mechanical	
Case dimensions	5.60" x 3.46" x 0.91" (142mm x 88mm x 23mm)
Screen dimensions	2.60" x 1.65" (66mm x 42mm)
Operating temperature	32-105°F (0 - 41°C)
Display temperature range	32-99°F (0-41°C)
Setpoint temperature range	64-85°F (18-29°C) adjustable
Terminals*	Fan High (GH) Heat Pump (OB) Fan Low (GL) Heat (W) Compressor (Y) AUX 1 (dry contact)

Standard configuration. All terminals are reconfigurable.

Sensors	
Temperature Accuracy	±1°F
Built In Occupancy Sensor	Yes
Built In Occupancy Sensor Specs	Passive InfraRed (PIR) with detection range of ±47° (94°)
Compatible with Window/Door Sensors	Yes
Compatible with Wireless Occupancy Sensors	Yes
Compatible with Wireless Temperature Sensors	Yes

Electicial	
Operating Voltage	Operating Range 12-27 VAC/VDC

Communications	
Wireless Frequency	902-928MHz (NA) 863-870MHz (EU)
Mesh Network	No provisioning needed. Proprietary Sub-GHz communication protocol
Bluetooth	2.4 GHz; used during commissioning, triangulation, and communication to wireless sensors
Zigbee	Module available for Zigbee based in room integrations

Integrations	
Lighting	Yes
PMS	Yes, requires networking
Door Lock	Yes, requires networking
BACNet	Yes, requires networking
API	Yes, requires networking
Demand Response	Yes, requires networking

Certifications	
North America Certifications	FCC ID: XEYWX IC: 8410A-WX

Accessories

Window/Door Sensor	EMRDS4
Wireless Occupancy Sensor	EMRWOS4
Online Connection Kit	EMOCT4
Wallplate	EMCWPA4, EMCWPB4
Energy Management Remote Access Fee	EMRAF4
Wired Occupancy Sensor	EMROS4
Remote Temperature Sensor	EMRTS4
Zigbee BLE Chip required for door lock integration	EMZBU4

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