

# LevNet RF™ Energy Harvesting with Wireless Protocol Solutions Thermostat Intelligent Room Controller



## BASIC OPERATION

The LevNet RF Energy Harvesting with Wireless Protocol Solutions Thermostat (in 24V and 120-277VAC versions) uses RF communication to provide quick and easy implementation of the energy-saving HVAC controls. When the thermostat receives an “occupied” signal from any LevNet RF switch or sensor, the user immediately gains full control of the HVAC settings. When the thermostat receives an “unoccupied” signal, it sets the room back to the preset unoccupied temperature. When used with a Leviton Gateway, the thermostat can also be connected to LON and BACNet HVAC control systems.

## SAVE ENERGY AND MONEY

- Responds automatically to the LevNet RF keycard switch (WSRoo-HUV), motion sensor (WSCxx), and window/door sensor (WSRoo-ooW)
- Great for offices, classrooms, hospitality and education applications
- Optional manual controls
- Two-way communication
- Optional humidity sensor

## USER CONTROLLED

Control the Thermostat with a variety of LevNet RF devices:

- LevNet RF or standard occupancy sensors
- Window/door sensor
- Key card access switch
- Smartphone
- LevNet RF Software

## EASY TO USE

- Installs in minutes
- Easy configuration
- Requires no switch leg wires
- Compatible with virtually all systems and configurations

## RELIABLE RANGE

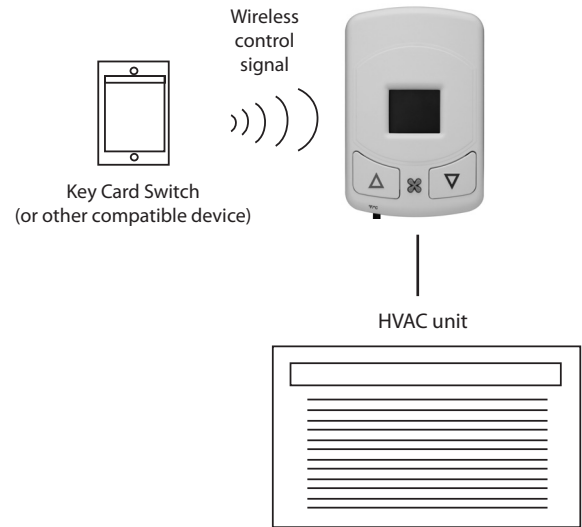
- 50-150 foot range (typical)
- Compatible with LevNet RF devices within range
- Error-checking ensures response only to appropriate wireless transmitters
- Single transmitter can control an unlimited number of LevNet RF Thermostats within range
- Built-in repeater function for extending the range of other Levnet RF Devices

**PRODUCT DATA**



SPECIFICATIONS	
Range	50-150 feet (typical)
Frequency	315MHz
Input Voltage	-Doo: 24VAC/DC -Aoo: 120VAC to 277VAC (102 min to 304 max)
Max Loads	-Doo: 24V(1.5amp/circuit) -Aoo: 120/277(2.4amp/circuit)
Temperature Monitor Range	32°F to 99.9°F (0°C to 37.7°C)
Temperature Set Point Range	60°F to 85°F (15.5°C to 29.5°C)
Operating Temperatures	14° to 131° F (-10° to 55° C)
Storage Temperature	-4° to 131° F (-20° to 55° C)
Sampling Rate	Every 5 seconds
Display format	Liquid Crystal Display (LCD)
Fan Control	Selectable: Auto Cycle, Low, Medium, High, Economy, Off
Memory	Stores up to 30 switch IDs
Accuracy	+ / - 1°F (0.5°C)
Heat / Cool Control	1 Heat and 1 Cool circuit Heat pump reversing valve circuit
Dimensions	3.5" X 5.0" X 1.5"
Radio Certifications	FCC (U.S. SZV-TCM2XXC); IC (Canada 5713A-TCM2XXC)

**Network Diagram:**



**ORDERING INFORMATION**

CAT. NO.	DESCRIPTION:
WSoTH-Doo	LevNet RF Energy Harvesting with Wireless Protocol 24V Thermostat
WSoTH-Aoo	LevNet RF Energy Harvesting with Wireless Protocol 120-277VAC Thermostat

LEVITON SPECIFICATION SUBMITTAL	
JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

**Leviton Manufacturing Co., Inc. Global Headquarters**

201 N. Service Rd. Melville, NY 11747-3138 • Tech Line: 1-800-824-3005 • Fax: 1-800-832-9538

**Leviton Manufacturing Co., Inc. Lighting & Energy Solutions**

20497 SW Teton Avenue, Tualatin, OR 97062 • Tel: 1-800-736-6682 • FAX: 503-404-5594 • Tech Line (6:00AM-4:00PM P.S.T. Mon-Fri): 1-800-959-6004

**Leviton Manufacturing of Canada, Ltd.**

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

**Leviton S. de R.L. de C.V.**

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

**Visit our Website at: [www.leviton.com/les](http://www.leviton.com/les)**