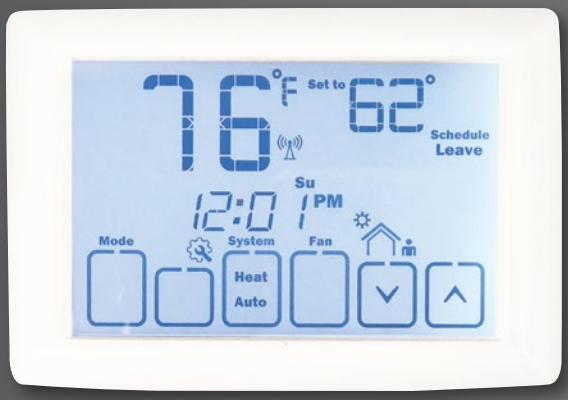
king
Smart Heating Solutions

NPR

New Product Release

Heat Kit Includes:



KRFTP-B
7-Day Programmable RF Thermostat

KRFLR
120/240V
20A Heating Relay

c UL us
LISTED

Therma Link

KRF-HEAT-KIT

Wireless RF Thermostat Kit For Line Voltage Electric Heat Control

7-Day Programmable 24V RF Thermostat that communicates wirelessly using a 915 MHz signal with a 120/240V 20A electric heat relay wired to the heater.

Available optional wireless RF Sensors to limit operation based on room occupancy, a window left open or outdoor air temperature conditions.

King Electrical Manufacturing Company / 9131 10th Avenue South, Seattle, WA 98108 / phone 206.762.0400 / fax 206.763.7738 / www.king-electric.com

king
Smart Heating Solutions

KRF-HEAT KIT

Wireless RF Line Voltage Electric Heat Thermostat Kit

A smart system designed to control electric resistance heaters, such as baseboard heaters or wall heaters, using radio frequency (RF) signals for communication.

KRFTP-B

KRFLR

Customer Needs

1. Since the thermostat communicates wirelessly with the heat relay, it can be installed anywhere in the room without the need for complex wiring between the thermostat and the heater. This makes installation quick and easy, especially in retrofit scenarios or where running new wires is difficult or costly.

2. Electric heat users are looking for ways to reduce their electric bill and reduces energy waste. By adding the optional RF sensors, users can limit operation based on room occupancy, a window left open or outdoor air temperature conditions.

Features	Benefits
24V or Battery Powered Thermostat	Low voltage (24V), is safer and doesn't require a dedicated circuit.
20A Rated Multi-Volt 120/208/240V Heat Relay	Max Power: 2400W @ 120VAC, 4160W @ 208VAC, or 4800W @ 240VAC
7-Day Programmable Heating Schedule	Meets State Energy Code Requirements
Thermostat & Relay Communicate Wirelessly using 915 MHz RF Signals* *KRFLR relay is hardwired to the heater.	Lower installation costs - No wiring required between devices
Optional Wireless RF Accessories: Master Switch, Occupancy or Door/Window Sensors.	Set back the entire apartment with push of a button or based on occupancy, etc..

Applications

• Multi-Family Apartments • Low-Income Housing • Office Buildings • Hotels & Hospitality
• Single Family Homes • States With Strict Energy Codes • Healthcare Facilities

KRF-HEAT-KIT
Programmable RF Thermostat Kit
(Includes Both Specifications)

KRFTP-B RF Thermostat Specs

Power Source: 18 to 30 VAC, 50/60 Hz hardwired or 1 x AA Battery powered

7-day programmable schedule

Touch Screen LCD display.

Range:44°F to 90°F (7°C to 32°C)

Display Accuracy: ± 1°F

Wireless Two-way Communication

Working frequency: 915 MHz

Working distance: 98.5 feet

Keypad lockout

Maximum Heat Temperature Limits

44°F to 90°F

KRFLR-120/240 Electric Heat Relay Specs

Rating: 120/240/20A Resistive Load Wireless 2-Way Communication

Working Frequency: 915 Mhz

Working Distance: 98.5 feet

WARRANTY

2-Year Limited Warranty

NPR

king
Smart Heating Solutions

New Product Release

Introducing the Most Flexible Dual Energy Source Heat Pump Thermostat Ever, Designed for Applications with Electric Emergency Heat.

Better Comfort through Better Engineering.

RF Wireless Communication

Smart Controls For Line Voltage Electric Heat

Advanced Features for Ease of Use & Flexibility

Therma Link

KRFLR

- Electronic Temperature Controller- For Temperature Accuracy +/-1°F
- 915 MHz Wireless Two-Way Communication
- Electronic Touch Screen with backlight LCD display
- Available Optional RF Sensors For Precision Control – Occupancy, Window, Door, Outdoor Temp Sensor

KRFTP-B

Therma Link

Wireless RF Line Voltage Electric Heat Control Thermostat System

Diagram

120/208/240V

PAW Heater

20A Max

KRFLR-120/240V

KRFTP-B

24V DC or AA Battery

RF 915 MHz

RF 915 MHz

Optional RF Accessories

KRF-PIR-SENSOR
RF Battery-powered Occupancy PIR Sensor
For automatic temperature setback when room is unoccupied. Setback Options: (44°F – 65°F)

KRF-WINDOW-SENSOR
RF Battery-powered Window Sensor Operation
For automatic temperature setback when window or door is left open. Setback Options: (44°F – 65°F)

KRF-MASTER-SWITCH
RF Battery-powered Master Setback Switch
Manual switch to setback all systems that are paired to the switch upon exiting the building. Setback Options: (44°F – 65°F)

KRF-OUTDOOR-SENSOR
RF Battery-powered Outdoor Temperature Sensor
When paired with Outdoor Temperature Sensor, Stage 2 (electric heat) would only turn ON when the outdoor temperature is below the Boost Emergency Backup Temperature. Boost Emergency Backup Temp Options:(0°F – 65°F)

KRF-REPEATER
5V USB-C Powered RF Signal Amplifier
Designed to amplify RF data signals in order to extend the range of the wireless transmission.

Ordering Information

MODEL	UPC	DESCRIPTION
KRF-HEAT-KIT	70133	RF Thermostat Kit, w/ KRFTP-B Programmable BP Thermostat, KRFLR-120/240V Heat Relay

Optional Accessories

MODEL	UPC	DESCRIPTION
KRF-PIR-SENSOR	70152	PIR Sensor, Battery Powered, For KRFTP Thermostat
KRF-OUTDOOR-SENSOR	70153	Outdoor Temperature Sensor, Battery Powered, For KRFTP Thermostat
KRF-REPEATER	70154	RF Repeater, USB Powered, For KRFTP Thermostat
KRF-WINDOW-SENSOR	70155	Window/Door Sensor, Battery Powered, For KRFTP Thermostat
KRF-MASTERSWITCH	70156	Master Switch, Battery Powered, For KRFTP Thermostat