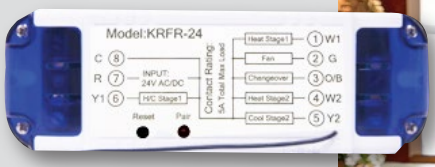
Wireless 24V RF Thermostat Kit KRF-24V-KIT

For 24V HVAC System Control

Therma Link

KRFTP-B



KRFR-24V

- Kit includes KRFTP-B RF 24V RF Thermostat, & KRFR-24V 24V RF HVAC relay
- Wireless Two-way RF communication - 915 MHz
- 24V HVAC control (Heating & Cooling)
- 7-day programmable schedule
  Modes: Auto/Cool/Fan Only/Off/Heat
- Range:44°F to 90°F (7°C to 32°C) Accuracy: ± 1°F
- Optimal start/stop
- Keypad lockout
- Maximum cooling & heat temperature limits 44°F to 90°F
- Optional RF sensors to limit operation based on room activity or open windows/doors
- 2 Year Limited Warranty

KRF-24V-KIT: **A 24V RF Wireless Thermostat Platform For Most 24V HVAC Systems.** KRF-24V-KIT is a 24-Volt RF wireless thermostat platform designed for virtually every type of HVAC system. Designed for applications where you don't have enough wires, have a broken wire, or if you are adding equipment like an add-on heat pump or a multi-stage system—without the need to run additional wires. The kit includes a 7-day programmable thermostat that communicates wirelessly to a 24V relay that is wired to the HVAC unit. For added flexibility, the system supports optional RF sensors to limit operation based on room occupancy, a window left open or setback all units in the building with a master switch.

Ordering Information - Complete Kit

MODEL	UPC	DESCRIPTION
KRF-24V-KIT	70426	RF Thermostat Kit, w/ KRFTP-B Programmable BP Thermostat, KRFR-24V HVAC Relay

Order A'la Carte

MODEL	UPC	DESCRIPTION
KRFTP-B	70134	Programmable Battery Powered Multi-System RF Thermostat
KRFR-24V	70136	24V HVAC Relay, 24VAC/VDC, 2A

Optional Accessories

MODEL	UPC	DESCRIPTION
KRF-PIR-SENSOR	70152	PIR 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-MASTER-SWITCH	70156	Master Switch, Battery Powered, For KRFTP Thermostat

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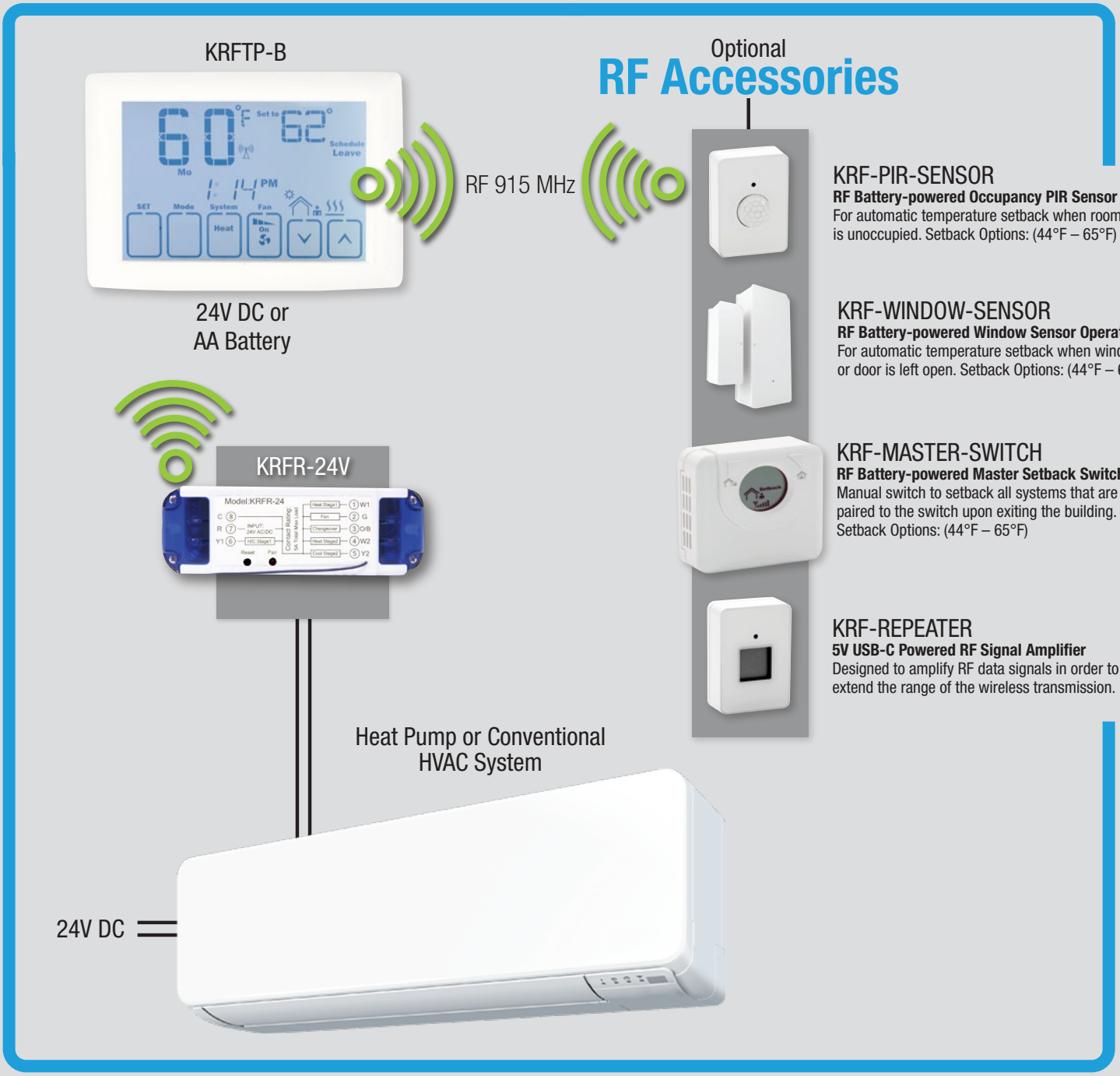
System Diagram



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Wireless 24V RF Thermostat Kit KRF-24V-KIT

For 24V HVAC System Control

Engineering Specifications

KRFR-24V RF Thermostat Kit Specifications:

Supply Voltage: 24V, 50-60Hz Rating: 0.5A
Wireless Operation: Rf Connect Button
Working Frequency: 915 MHz
Heat Pump Control: (Heating and Cooling).
Touch Screen: Touch Sensitive
Temperature Display Range: 0°F to 95°F (-17°C to 35°C)
Temperature Control Range: 44°F to 90°F (07° C to 32°C)
Display Accuracy: ± 1°F
Optimal Start/Stop: Optimal Start ensures that the set temperature is reached at the scheduled time, while Optimal Stop shuts down the system early upon PROG transition to achieve energy savings.
Deadband: Adjustable 4 to 6 Degrees. (Default 5)
Differential: adjustable from 0.5°F to 2.0°F (Default 1°F)
2nd Stage Offset: adjustable from 2°F to 5°F (Default 3°F)
Heat Schedule Options: 5+2 / 5+1+1/ 7-Day (Default: 5+2)
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KRFR-24V HVAC Relay Specifications:

Input Rating: 24Vac/24Vdc, 2A
Wireless Connect: Rf Connect Button
Two-way Communication
Working Frequency: 915 MHz
Working Distance: 30 Meters (98.5 feet)
Dimension: 120*40*28 mm

Available Optional Accessories

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

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

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

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