

## HVAC Kit

A wireless bridge that enables wireless communication between a conventional HVAC Thermostat to one or more Equipment units, that normally communicate through a wired connection using a series of relays. The HVAC bridge comprises two or more Sure-Fi Units, a Thermostat Interface and one or more Equipment Interfaces. The Thermostat interface is connected to the Thermostat and the others are connected to the HVAC Equipment. In operation, when the thermostat sends a signal to engage a function on the HVAC System the signal is received by the connected Sure-Fi Thermostat interface. This unit then sends this signal wirelessly to the other Sure-Fi units which in turn, engages their own relays, thus completing the action as if a direct wired connection existed between the devices. The wireless communication eliminates the need for physical wiring between the two devices.



## Benefits

The advantage of using the Sure-Fi HVAC Kit is that it allows for control conventional HVAC systems over distances and in locations where running wires would be impractical, costly, or physically impossible.

### Features

- Works with Conventional HVAC Systems
- Supports up to 8 functions between Thermostat and Equipment Units
- Compatible with Heat Pump Systems
- Connect up to 8 Equipment Units to one Thermostat
- UL 60730-1

### Items Included

- 1, Sure-Fi HVAC Wireless Bridge System, DS005-HVAC. Includes one Equipment and one Thermostat Interfaces
- 2, 12V 2.5A Output Power Supplies with 100-240, 277 VAC Input
- 2, 6 foot power cords
- 1, Sure-Fi Screwdriver

## HVAC Kit SFK-DS005-HVAC

Up to 1 mile range through obstructions and 50+ miles line-of-sight with patented Bunker Busting Technology. Using 900 MHz, works inside metal enclosures  
Proprietary PCB Antenna design as well as FCC (USA) and IC (Canada) certified.



### Specifications

#### Operating Voltage

20 to 30 VAC

#### Operating Current

0.02A (idle), 0.26A (transmit)

#### Transmit Power

1 Watt (30dBm)

#### Frequency Band

902 - 928Mhz

#### Channels

72 (Frequency Hopping)

#### Receiver Sensitivity

-133dBm

#### Link Budget

163dB

#### Range

Up to 1 mile through obstructions and 50+ miles line-of-sight

#### Encryption

AES128

#### Equipment Interface Relays

1A 60 V Peak NO, COM (x8)

#### Operating Temperature

-40 F to +185 F (-40 C to +85 C)

#### Storage Temperature

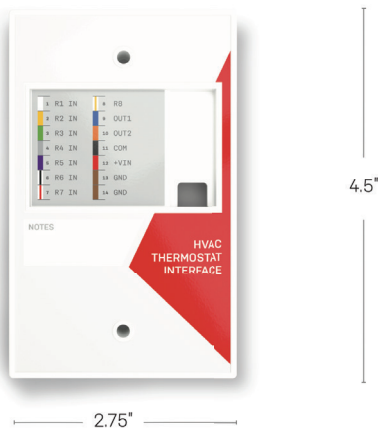
-67 F to +257 F (-55 C to +125 C)

#### Mounting Options

Equipment: DIN rail mount (DIN35) or directly mount with two screws  
Thermostat: Mount directly to the wall or a standard single gang box

### Dimensions

HVAC Thermostat Interface Front



HVAC Equipment Interface Front



Lifetime Warranty

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