

Relay Bridge Kit

A wireless relay bridge that enables wireless communication between two devices that normally communicate through a wired connection using a relay. Relays are electrically operated switches that allow a lower power signal to control a higher power circuit.

The wireless relay bridge comprises two Sure-Fi Units, A and B. One Unit is connected to the first device and the other is connected to the second device. In operation, when the first device sends a signal to engage the relay (turn on a switch, for example), this signal is received by the connected Sure-Fi unit. This unit then sends this signal wirelessly to the other Sure-Fi unit which in turn, engages its own relay, thus completing the action as if a direct wired connection existed between the two devices. The wireless communication eliminates the need for physical wiring between the two devices.



Benefits

The advantage of using the Sure-Fi Relay Kit is that it allows for control over distances and in locations where running wires would be impractical, costly, or physically impossible. This could be useful in a variety of applications, from home automation to industrial control systems.

Features

- Works for general purpose relay control
- 2 pairs of relay input/outputs each direction
- 1 digital input/output each unit
- Battery backup input with UPS function

Items Included

- 1 - Sure-Fi Relay Wireless Bridge System, DS006-RELAY. Includes one Relay Unit A and one Relay Unit B
- 2 - 12V 2.5A Output Power Supplies with 100-240, 277 VAC Input
- 2 - 6 foot power cords
- 1 - Sure-Fi Screwdriver

Relay Bridge Kit SFK-DS006-RELAY

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

12VDC +/- %5

Operating Current

0.08A (idle), 0.75A (transmit)

Operating Power

9 Watt (peak)

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. Greater than 40 Miles line-of-sight

Encryption Security

AES128

Battery Backup Connection

12V Sealed Lead Acid (SLA) type

Battery Charge Voltage

13.75V maximum at standby

Relays

2A 250VAC / 2A 250VDC Wet or Dry: NO, NC, COM

Operating Temperature

-40oC to +85oC (-40oF to +185oF)

Storage Temperature

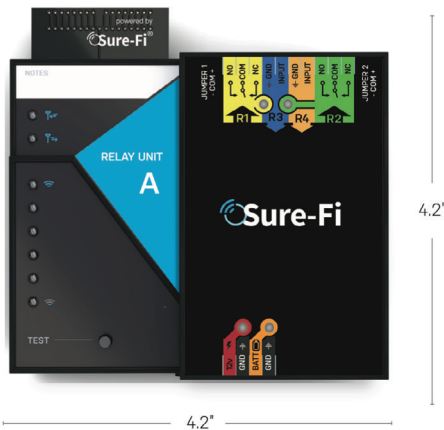
-55oC to +125oC (-67oF to +257oF)

Mounting Options

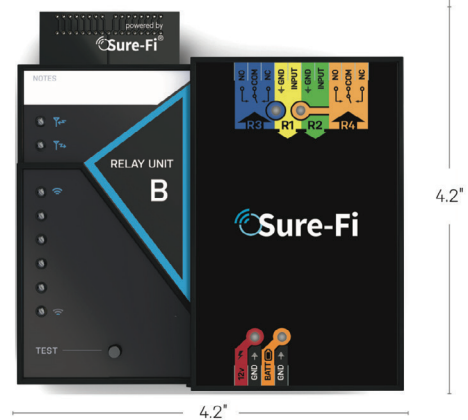
DIN 35 (35mm x 7.5mm) or directly mount with two screws

Dimensions

Relay Controller Interface Front



Relay Remote Interface Front



Lifetime Warranty

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