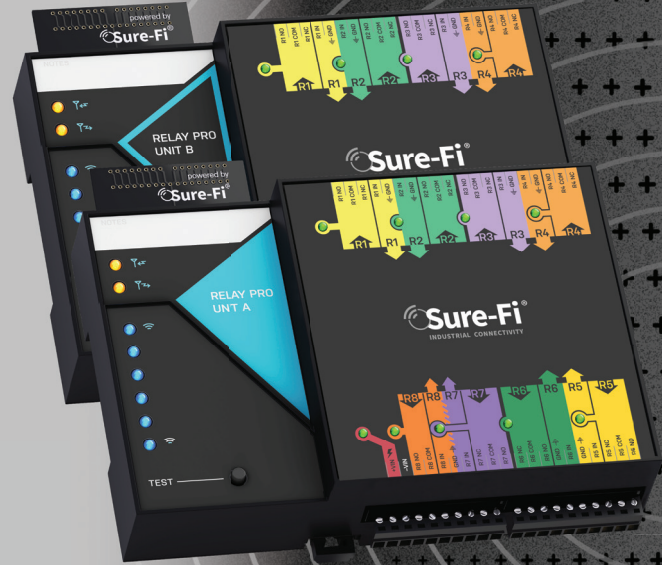


Relay Pro Kit

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 Relay Pro 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.



Benefits

The Relay Pro bridge features more relays than the Sure-Fi Relay Bridge as well as more robust and higher rated relays. The wireless communication eliminates the need for physical wiring between the two devices.

Features

Works for advanced relay control. Eight relays, each unit:

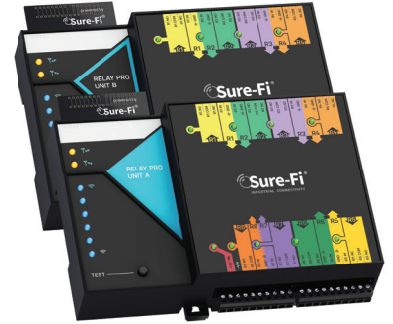
- Two FORM C Mechanical Relays 5A 220VD-C/250VAC
- Five FORM C Solid State Relays, 2A 30VD-C/30VAC
- One FORM A Solid State Relay, 0.75A 30VD-C/30VAC
- Input Power 12/24V AC/DC

Items Included

- 1 - Sure-Fi Relay Pro Wireless Bridge System, DS010-RELAY-PRO. Includes one Relay Pro Unit A and one Relay Pro Unit B
- 2 - 12V 2.5A Output Power Supplies with 100-240, 277 VAC Inputs
- 2 - 6 foot power cords
- 1 - Sure-Fi Screwdriver

Relay Pro Kit
SFK-DS010-RELAY-PRO

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)

Transmit Power

9 Watt (peak)

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

AES128

Relays (8 total each unit)

2 - FORM C Mechanical Relays 5A 220VDC/250VAC
5 - FORM C Solid State Relays 2A 30VDC/30VAC
1 - FORM A Solid State Relay 0.75A 30VDC/30VAC

Operating Temperature

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

Storage Temperature

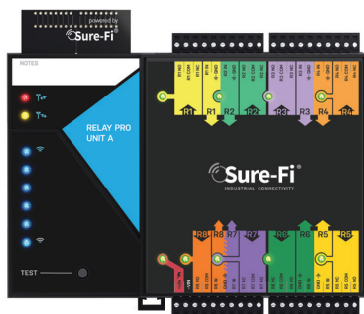
-55oC to +125oC (-67oF to +257oF)

Mounting Options

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

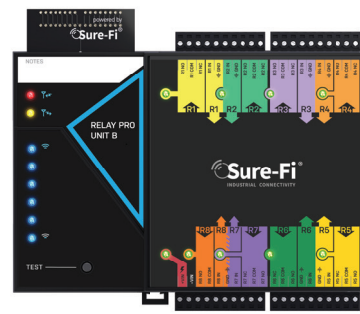
Dimensions

Relay Controller Interface Front



5.3'

Relay Remote Interface Front



5.3'

4.2'

4.2'

5 Year Warranty

Sure-Fi Inc | 116 E 800 S Smithfield, UT 84335

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