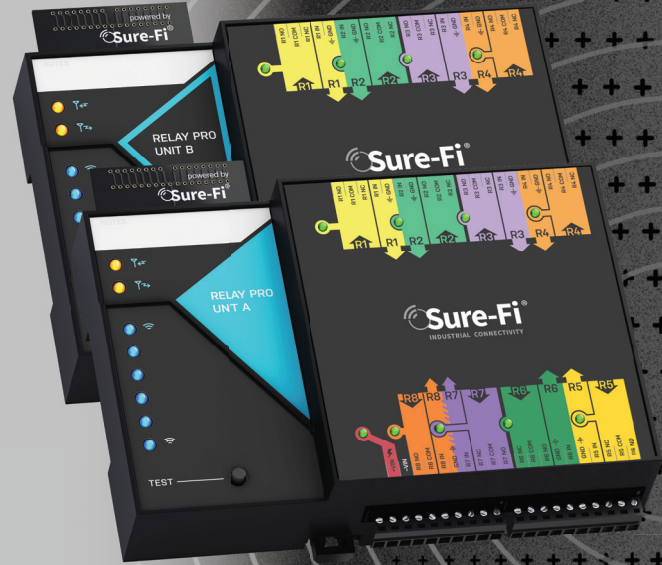


## Relay Pro Kit

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:

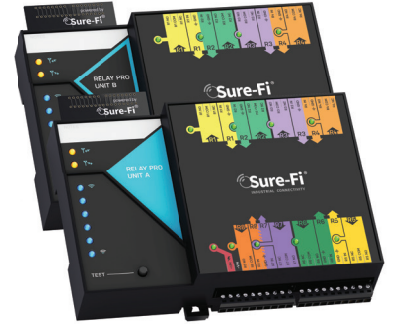
- Two FORM C Mechanical Relays 5A 220VD-C/250VAC
- Five FORM C Solid State Relays, 2A 30VD-C/30VAC
- One FORM A Solid State Relay, 0.75A 30VD-C/30VAC
- Input Power 12/24V AC/DC

### 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**

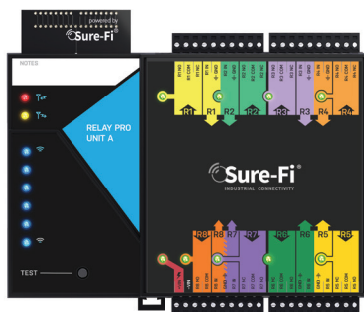
-55oC to +125oC (-67oF to +257oF)

**Mounting Options**

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

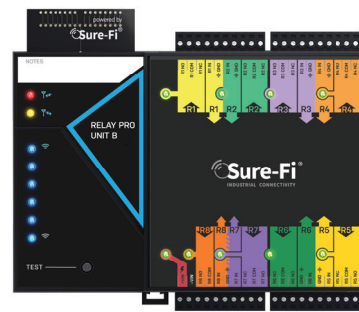
**Dimensions**

Relay Controller Interface Front



5.3'

Relay Remote Interface Front



5.3'

4.2'

4.2'

Lifetime Warranty

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

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