

Relay Hub Kit SFK-DS016-RELAY-HUB-4

Relay Hub Kit

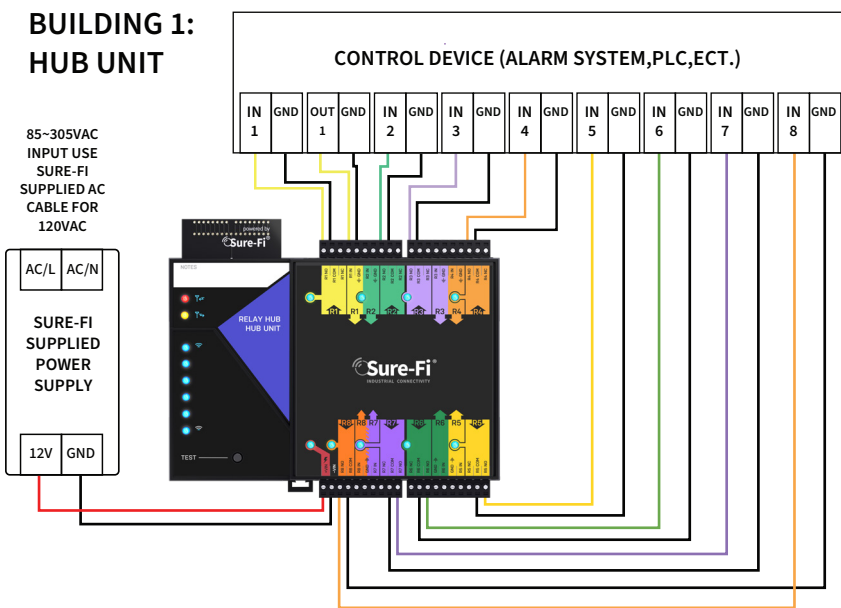
The Sure-Fi Relay Hub simplifies relay integrations by consolidating up to 4 Sure-Fi Relay endpoints into a single, centralized hub for seamless communication with your controller. Designed for convenience and efficiency, this hub reduces wiring complexity and streamlines operations, making it an ideal solution for automation, access control, or industrial applications. Its robust design ensures reliable performance even in demanding environments, providing consistent connectivity. By minimizing the need for extensive wiring, it also reduces installation time and costs. Whether you're upgrading an existing system or deploying a new setup, the Sure-Fi Relay Hub offers a practical and scalable solution for your relay integration needs.



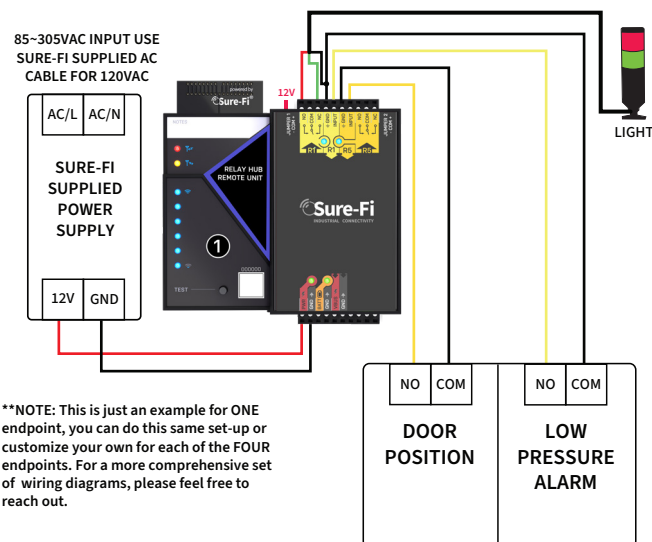
Benefits

With robust reliability and compatibility, the Sure-Fi Relay Hub ensures dependable performance, providing a smart and organized way to manage multiple relay connections from one convenient location.

BUILDING 1: HUB UNIT



BUILDING 2: REMOTE UNIT - 1 through up to 4 endpoints



Relay Hub Kit

SFK-DS016-RELAY-HUB-4

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

RELAY HUB - HUB UNIT

Operating Voltage

12VDC to 30V AC/DC

Operating Current (@12VDC)

0.02A (idle), 0.26A (transmit)

Operating Power (@12VDC)

6.3VA (peak)

Range

Up to 1 mile through obstructions. Greater than 50 miles line-of-sight. Can chain multiple system pairs for extended range

Encryption

AES128

Operation Temperature

-40°F to +158°F (-40°C to +70°C)

Storage Temperature

-67°F to +257°F (-55°C to +125°C)

Humidity

0 to 85% non-condensing

Relays

Relay Inputs (R1IN - R8IN):	Dry contact or digital 0 to 3.3VDC/5.0VDC interface
Relays 1 & 2	Two form C mechanical relays, 5A 220VDC / 250VAC
Relays 3-7	Five form C solid state relays, 2A 30VDC/ 30VAC. Note: Maximum allowable combined current is 3A
Relays 8	One form A solid state Relay, 0.75A 30VDC/ 30VAC

Radio Tranceiver Specifications:

Frequency Band

US - CANADA - MEXICO

902 - 928 MHz

Transmit Power

1 Watt (30dBm)

Channels:

72 (FHSS)

Receiver Sensitivity

-133dbm

Link Budget

163dbm

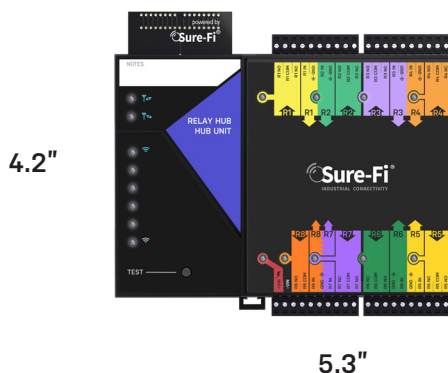
Dimensions (LxWxH)

4.2" x 5.30" x 1.28"

Mounting Options

DIN rail, 35mm (DIN46277-3)/(DIN35)

Relay Hub - Hub Interface



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Specifications

RELAY HUB - REMOTE UNIT

Operating Voltage

12VDC +/-5%

Operating Current

0.08A (idle), 0.75A (transmit)

Operating Power

9 Watt (peak)

Range

Up to 1 mile through obstructions. Greater than 50 miles line-of-sight.

Encryption

AES128

Operation Temperature

-40°F to +185°F (-40°C to +80°C)

Storage Temperature

-67°F to +257°F (-55°C to +125°C)

Frequency Band

US - CANADA - MEXICO

902 - 928 MHz

Transmit Power

1 Watt (30dBm)

Channels:

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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

Dimensions (LxWxH)

4.2" x 4.2" x 1.28

Mounting Options

DIN rail, 35mm x 7.5 mm (DIN35)

Relay Hub - Remote Interface

