

Analog Kit

A wireless bridge that enables wireless communication between two industrial devices that normally communicate through a wired connection using analog current loop or voltage loop. Analog signals are continuously variable signals as opposed to digital signals which are discrete or non-continuous. These signals might be used to represent temperatures or pressure levels.

The wireless analog bridge comprises two Sure-Fi Units, a Sensor Interface and a Receiver Interface. In operation, when the output current/voltage values sent by a sensor or similar device changes, the Sure-Fi unit receives these as inputs and sends these values wirelessly to the other Sure-Fi unit which sets its output current/voltage values to match. This replicates the values 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 Analog Kit is that it allows for control of industrial systems over distances and in locations where running wires would be impractical, costly, or physically impossible.

Features

- 2 Voltage Loop (0-10V) Input/Output each direction
- 2 Current Loop (4-20mA) for Sensor to Receiver
- 2 Thermistor inputs from Sensor to Receiver
- General Purpose Relays suitable for multiple applications

Items Included

- 1 - Sure-Fi Analog Wireless Bridge System, DS007-ANALOG. Includes one Analog Sensor and one Remote Interfaces
- 2 - 12V 2.5A Output Power Supplies with 100-240, 277 VAC Input
- 2 - 6 foot power cords
- 1 - Sure-Fi Screwdriver

Analog Kit SFK-DS007-ANALOG

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

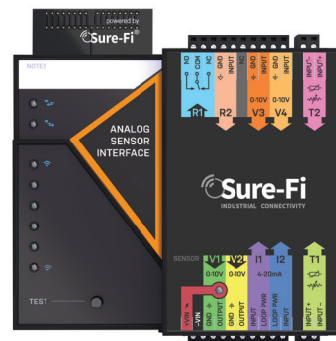
Dimensions

Analog Controller Interface Front



4.2"

Analog Remote Interface Front



4.2"

4.2"

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5 Year Warranty

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