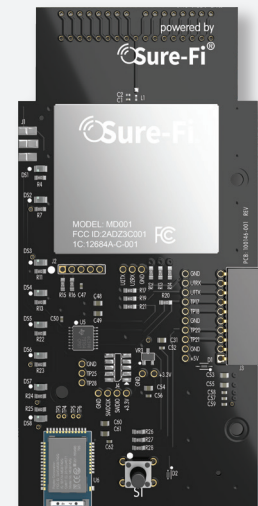# Sure-Fi®

HVAC Wireless Bridge

Wire Replacement for HVAC Systems

- ◉ Installs in minutes
- ◉ Sure-as-a-wire
- ◉ Competitive with true cost of wiring for all job types (easy and difficult wire pulls)
- ◉ General purpose relays suitable for multiple applications

FEATURES

- Works with Conventional Low Voltage 24 VAC systems
- Signal Strength, Transmit & Receive indicators on Equipment Interface
- Test button for easy range testing
- Connect up to 8 thermostat outputs
- 2 inputs from Equipment Interface, ex. Equipment monitor.
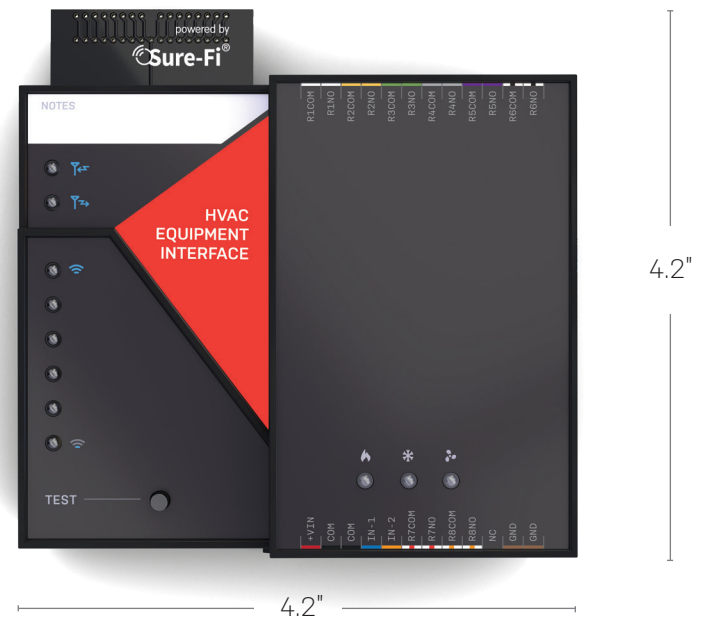- Field configurable and updatable with the Sure-Fi App

TECHNOLOGY

- Up to 1 mile range through obstructions and 50+ miles line-of-sight
- Patented Bunker Busting Technology, using 900 MHz
- Works inside metal enclosures
- Proprietary PCB Antenna design
- 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

HVAC Equipment Interface Front

HVAC Thermostat Interface Front