Sure-Fi®

Wiegand Wireless Bridge

Labels on devices:

WIEGAND CONTROLLER INTERFACE

NO / COM / NC — R3
GND / INPUT — R1
GND / INPUT — R2
NO / COM / NC — R4

WIEGAND REMOTE INTERFACE

JUMPER 1 - COM +
NO / COM / NC — R1
GND / INPUT — R3
GND / INPUT — R4
NO / COM / NC — R2
JUMPER 2 - COM +

WIEGAND DEVICE

12v / GND / BATT / GND / VBUS / GND / D0 / D1 / LED / AUX

powered by Sure-Fi®

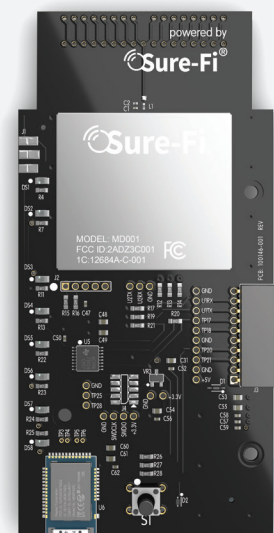NOTES

TEST

MODEL: MD001
FCC ID 2ADZ3C001
IC: 12684A-C-001

PCB: 100146-001 REV

Wire Replacement for Access Control

- ⊙ 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
- ⊙ Chain multiple pairs for extended range

✓ FEATURES

- Works with any Wiegand protocol
- 1 Wiegand input
- 2 relay outputs (Wet or Dry)
- Request to exit input (REX)
- Door monitor input (DPS)
- Battery backup input with battery charger and UPS function
- DIN rail mount or direct wall mount
- Signal Strength, Transmit & Receive indicators
- Test Button for easy range testing
- 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:**
  12VDC (9VDC tp 15VDC)
- **OPERATING CURRENT (@12VDC):**
  0.08A (idle), 0.3A (transmit)
- **OPERATING POWER (@12VDC):**
  3.6 Watt (peak)
- **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
- **BATTERY BACKUP CONNECTION:**
  12V Sealed Lead Acid (SLA) type only
- **BATTERY CHARGE VOLTAGE:**
  13.75V maximum at standby
- **RELAYS:**
  2A 250VAC / 2A 250VDC wet or dry
  NO, NC, COM (x2)
- **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:**
  DIN (35mm x 7.5mm) or directly
  mount with two screws

Wiegand Controller Interface

Wiegand Remote Interface