ISONAS™
PURE IP ACCESS CONTROL

Pure IP™ Wiegand Reader

Mullion
Wiegand reader
R-1-MCT-M

Wallmount
Wiegand reader
R-1-MCT-W

Wallmount keypad
Wiegand reader
R-1-MCT-WK

Back view

The Pure IP™ hardware family from ISONAS also includes a line of Wiegand readers. Fully customize your Pure IP™ solution with either our Reader-Controller or our PowerNet™ IP-Bridge connected to our Wiegand readers. Maintain the same aesthetic in your building by mixing and matching our hardware and maximizing the efficiency of the installation process.

Wiegand Readers features and benefits:

- Mullion, wall mount and wall mount keypad form factors allow for US and EU compatible mounting options; creating a simpler install process at each door.

- All Wiegand readers available in multi-card technology (13.56MHz and 125kHz). Providing flexibility in credential model choice.

- Bluetooth® Low Energy (BLE) allows customers to utilize our Pure Mobile application and use their smart phone as their credential.

- Tamper detection via accelerometer senses any type of altering and prevents a security breach with the reader.

- Metal back plate provides additional security, a simple two piece installation and consistent read range.

SPECIFICATIONS

General
- Multiple form factors
  - Mullion (5.1" x 1.7" x 0.71")
  - Wall mount (5.1" x 3.25" x 0.71")
  - Wall mount keypad (5.1"x 3.25" x 0.71")
- Low frequency, high frequency and Bluetooth® Low Energy
- Made in the USA
- Material: plastic (ABS) and metal (SECC)
- Compatible with Pure Access

Power options
- DC power 5-16 V DC
- Mullion: 106mA average, 144mA peak
- Wallmount: 119mA average, 169mA peak
- Wallmount KP: 143mA average, 193mA peak

Environmental
- FCC, IC and CE certified
- Operating temperatures -40°F to 158° F (-40°C to 70°C)
- Accommodates indoor, outdoor and various other installation environments
- Exposure ratings: IP55

Inputs / outputs
- 8 wire pigtail for common Wiegand reader wiring
- Blue: green LED control line (input)
- Yellow: beeper control line (input)
- Brown: tamper (output)
- Orange: red LED control line(input)
- White: Wiegand data 1
- Green: Wiegand data 0
- Black: ground
- Drain: shield ground
- Red: power (5-16V DC)

Visual indicator
- Tristate LED light bar (red, green, amber) and buzzer
- Backlit keypad

Read range
- 3" typical on RFID cards
- Proximity read speed: <250msec

Credential types
- 125 kHz (FSK modulation)
- 13.56MHz
- Bluetooth® Low Energy supported (4.1 and later)
- MiFare Classic, Ultralight, and MiFare Plus
- MiFare DESFire EV2 (secure data) ISONAS only
- iClass (CSN)
- ISO14443A, ISO 14443B, ISO 15693

ALLEGION™