ISONAS™
PURE IP ACCESS CONTROL

Pure IP™ Reader-Controller

Wallmount
Reader-Controller
RC-04-PRX-W
RC-04-MCT-W

Wallmount
Keypad
Reader-Controller
RC-04-PRX-WK
RC-04-MCT-WK

Back View

Mullion
Reader-Controller
RC-04-PRX-M
RC-04-MCT-M

The new Pure IP™ hardware family from ISONAS offers a suite of products that allow you to customize your access control solution. Our Reader -Controller continues to take advantage of our patented technology and remains an all in one intelligent device; eliminating the need for a panel and allowing you to take advantage of your existing network.

Check out some of the latest features of the RC-04:

• 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.

• Reader-Controllers are available in two models: Multi-card technology (125kHZ and 13.56 MHZ) or a proximity-only version (125kHz).

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

• Local mode feature allows readers to function without a connection to the network. This results in faster user response times, less network traffic and reduced host system loading.

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

• Secure data transmissions with AES 256 bit encryption

• 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 0.17")
  - Wall mount keypad (5.1"x 3.25" x 0.17")
- Low Frequency, High Frequency and Bluetooth® Low Energy
- Local Decision making with host programming
- Made in the USA
- Extension cable: 7.5in
  Adapter: 19mm diameter

POWER OPTIONS
- Power Over Ethernet (PoE), (IEEE 802.3af, Class 0)
- DC Power: 12VDC In (9 to 16V)
  PLEASE NOTE: 24V DC is not approved for this device

NETWORK COMMUNICATIONS
- 10Mb, Half or Full Duplex
- Ethernet, TCP/IP, standard RJ45 Cable
- Network host or client modes supported
- DHCP Addressing Supported
- Field flashable microcode

SOFTWARE COMPATIBILITY
- Pure Access Cloud
- Pure Access Manager (On-Premise)

  *** Legacy ISONAS Software products not supported
  - DBCrystal and Crystal Matrix, EasyWeb and EasyWeb 2015.

ENVIRONMENTAL
- UL-294 Compliant
- FCC Certified
- Operating Temperatures -40°F to 135° F (-40°C to 57°C)
- Conformal Coated for Weather Resistance
- Exposure Ratings: IP56

OUTPUTS
- 8 wire pigtail
- 600mA provided to power the lock
- Conditioned Lock Power
- Fail Safe and Fail Secure Supported
- Two Exterior Door Kit Outputs

INPUTS
- Two configurable inputs:
  – Door Sense
  – General Purpose Request to Exit(REX) or Auxiliary(AUX)

VISUAL INDICATOR
- LED signal for reader status
- Backlit Keypad

SECURITY FEATURES
- Tamper Detection via an accelerameter
- AES-256 bit encryption

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 (CSN) ISONAS Only
- iClass (CSN)
- ISO14443A & B

READER-CONTROLLER INTELLIGENCE CAPACITY
- 64,000 Credentials
- 5,000 Events
- 32 Time Schedules

U.S. Patents and U.S. Patents Pending.
www.isonas.com/patents