ISONAS™
PURE IP ACCESS CONTROL

Pure IP™ Reader-Controller

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

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

The 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.

• 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, hgh 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)
• Open Options

Environmental
• UL 294 V6 certified
• 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 accelerometer

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 sector) ISONAS only
• iClass (CSN)
• ISO14443A & B

Reader-controller intelligence capacity
• 64,000 credentials
• 5,000 events
• 32 time schedules

ALLEGION™