R100 Aperio®
Wireless Card Reader

Surface mounted,
no drilling required

The R100 surface mounted wireless card reader offers a cost effective, aesthetically pleasing way to extend access control to glass, metal or stone surfaces without the need for cutting or drilling.

A retrofit solution capable of being installed in minutes that compliments virtually any ASSA ABLOY electrified locking device. Provides flexible, robust retrofit options for entryways unlike any the industry has seen before.

Features

Standard Features

- For use on glass or metal surfaces
- 2.4 GHz Aperio wireless technology
- Supports HID multiCLASS SE® card technologies
- Supports NFC & BLE mobile credentials
- Integrates with existing access control systems and ID badges
- Audit trail limited by EAC system
- LEDs indicate valid/invalid entries; Red/Amber or Green/Amber
- Black finish
- SecuriCare three-year, no-fault, no questions asked warranty

Accessories

- **R100-DCA** R100 adhesive Aluminum dress cover plate
- **EXT-10-ANT** Aperio® Hub External Antenna (Omni-directional)
- **APD10USB** Aperio Radio Dongle*
- **ACC10** Credential Test Cards

* Only available through ACP/CI channel

NOTE: The R100 card reader is available as either a pre-paired reader and hub kit (no certification required) or as a field configurable component (requires Aperio® Certified Integrator certification). Pre-paired kits support limited features, field configured devices are required in order to support all options. Visit IntelligentOpenings.com to learn more.

3 Year
SecuriCare Warranty

SECURITRON
ASSA ABLOY

R100 Series Card Reader

Specifications

Certifications
- FCC Part 15 & Industry Canada Compliant
- CE RED – Radio Equipment Directive – 2014/53/EU
- RoHS Compliant

Electrical
- Estimated Battery Life: 50,000 Cycles
- (2) "AA" lithium batteries (included) *AA Lithium Batteries required. Use of other types of batteries, such as alkaline, will significantly decrease battery life.*
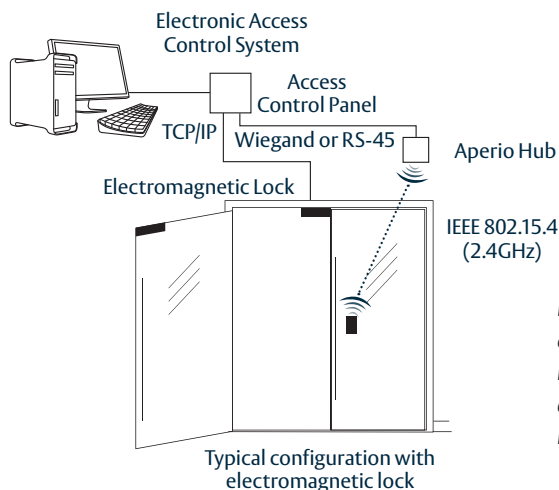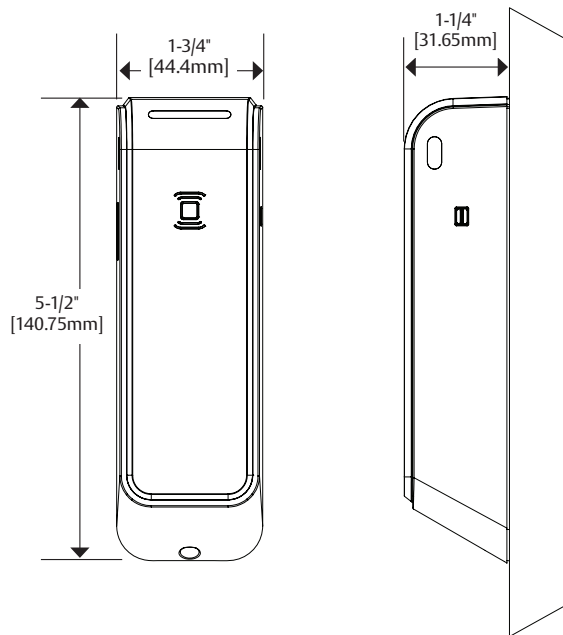- microUSB port for emergency power

Environmental
- Operating Temperature -13° to 140° F [-25° to 60° C]
- Tested to meet IP65

Card Technology: HID® multiCLASS SE®
- **High Frequency (13.56 MHz)**
  - HID iCLASS®
  - HID iCLASS SE® (SIO®-enabled)
  - HID iCLASS® Seos®
  - HID MIFARE® SE
  - HID DESFire® EV1 SE
  - MIFARE CLASSIC
  - DESFire® EV1
  - DESFire® EV2 (Legacy Mode)
- **Low Frequency (125 kHz)**
  - HID Prox®
  - AWID
  - EM4102
  - IOProx
- NFC
- HID BLE Mobile Access
- SEOS iOS Apple Wallet

Dimensions

1-3/4" [44.4mm]

1-1/4" [31.65mm]

5-1/2" [140.75mm]

Electronic Access Control System

Access Control Panel

TCP/IP   Wiegand or RS-45

Aperio Hub

Electromagnetic Lock

IEEE 802.15.4 (2.4GHz)

Local wireless communication eliminates the cost and inconvenience of wiring in and around the door, without the hassle of complex site surveys.

Typical configuration with electromagnetic lock

How to Order

SERIES	OPTIONS	CARD TECHNOLOGY	COLOR
R100	H	– IPS	– B
R100 Card Reader	**(Blank)*** Field configured to work with AH20, AH30, or AH40 wireless hubs	**IPS** HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, MIFARE DESFire EV1, NFC-enabled Mobile Phones: HID Mobile Access (NFC), Seos Apple Wallet (NFC)	**B** Black
	H Factory paired with AH20 1:1 Wiegand Hub	**IPEXXXXX**† Same as IPS but with factory loaded HID Elite Credential	
		BIPSXXXXX*† HID iCLASS, HID iCLASS SE (SIO-enabled), HID iCLASS Seos, HID MIFARE SE, HID DESFire EV1 SE, MIFARE Classic, MIFARE DESFire EV1, NFC & BLE-enabled Mobile Phones: HID Mobile Access (BLE and NFC), Seos Apple Wallet (NFC)	
		BIPEXXXXX*† Same as BIPS but with factory loaded HID Elite Credential	

* Only available through ACP/CI channel.   ** XXXXX is a unique or customer specific key that is only reorderable for that specific company.

† HID authorization form will need to be filled out and signed by the end user who has authority of the ELITE KEY.