

# DR100 Aperio® Wireless Card Reader with Relay

*Surface mounted reader  
with configurable relays.*



The DR100 is the industry's first universal I/O module with built in reader and Aperio wireless technology.

This unique hardpowered product is designed to activate traditional electrified hardware, providing the flexibility to secure the most challenging openings. Applications may include turnstiles, overhead doors, loading dock doors and roof access where an integrated wireless lock cannot be used.

The DR100 supports HID multiclass SE and NFC/BLE mobile access card technologies, easily interfacing with existing access control systems to extend real-time, cost-effective security to more openings.

## Features

### Standard Features

- 2.4 GHz Aperio wireless technology
- Integrates with existing access control systems and ID badges
- Supports HID multiCLASS SE® card technologies
- Supports NFC & BLE mobile credentials
- Audit trail limited by EAC system
- Multiple installation options
- Configurable onboard relays
- Dry/Wetted inputs and outputs
- Real time monitoring for DPS
- LEDs indicate valid/invalid entries, Red/Amber or Green/Amber
- Black finish
- Securicare three-year, no-fault, no questions asked warranty

### Accessories

- **EXT-10-ANT** Aperio® Hub External Antenna (Omni-directional)
- **SIK** Secure Installation Kit for electronic separation between secured and unsecured sides of opening
- **HSA-HE** Heater Element only (used with standard installation only)
- **APD10USB** Aperio Radio Dongle\*
- **ACC10** Credential Test Cards

\*Only available through ACP/CI channel

- **HSA-HPK** Hard Powered Kit
- **HSA-HE** Heating Element
- **HSA-CWK** Cold Weather Kit

## Specifications

### Certifications

- FCC Part 15 & Industry Canada Compliant
- RoHS Compliant
- UL294 Listed - Indoor & Outdoor Rated

### Electrical

- Power 12-24 VDC
- (3) Relays (Dry or Wetted) Rated at 2 A/30 VDC
- (2) DPS Inputs (acts as a single input)

### Operating Temperature

- Operating Temperature without Heater Element  
-13° to 140° F [-25° to 60° C]
- Operating Temperature with Heater Element  
-40° to 140° F [-40° to 60° C]
- Tested to meet IP65



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*NOTE: The DR100 is only available as a field configurable component which requires Aperio® Certified Integrator certification. Visit [IntelligentOpenings.com](http://IntelligentOpenings.com) to learn more.*

### Credential Support

#### High Frequency (13.56 MHz)

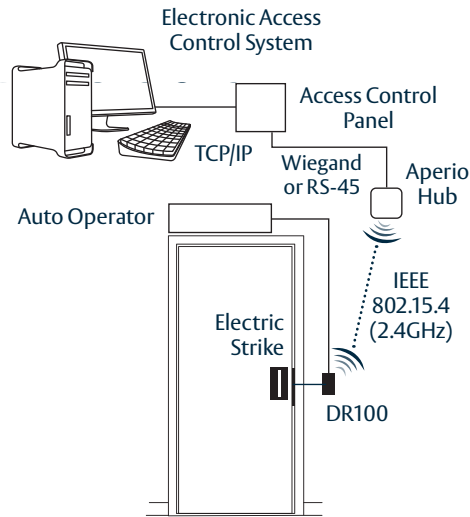
- HID iCLASS®
- HID iCLASS SE® (SIO®-enabled)
- HID iCLASS® Seos®
- HID MIFARE® SE
- HID DESFire® EV1 SE
- MIFARE CLASSIC
- DESFire® EV1
- DESFire® EV2 (legacy mode)

#### Low Frequency (125 kHz)

- HID Prox®
- AWID
- EM4102
- IOProx

#### Mobile Access Credentials

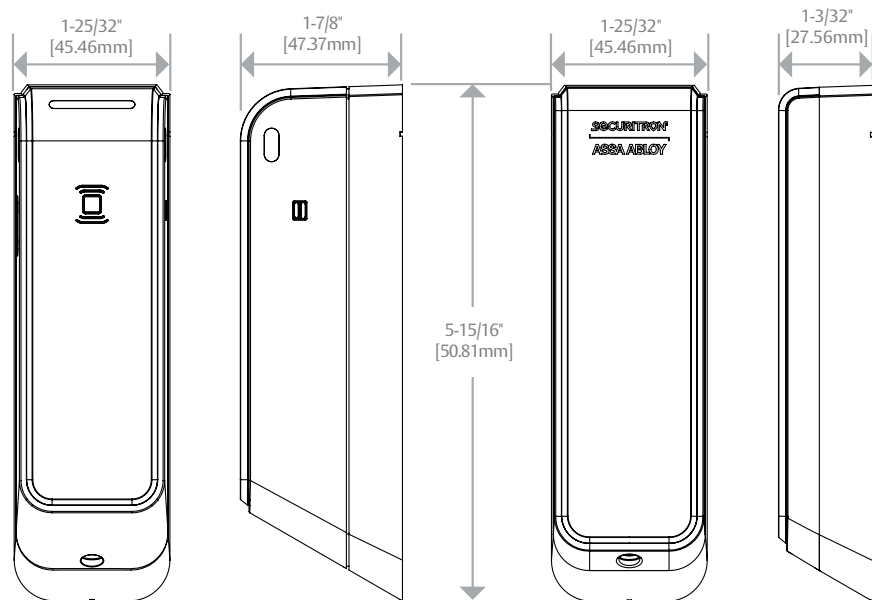
- NFC
- HID BLE Mobile Access
- SEOS iOS Apple Wallet



Local wireless communication eliminates the cost and inconvenience of wiring back to a control panel, without the hassle of complex site surveys.

Typical configuration with electromechanical lock

## Dimensions



Standard Installation

Secure Installation

## How to Order

SERIES	MODEL	OPTIONS	CARD TECHNOLOGY
<b>DR100</b>	<b>C</b>		<b>-IPS</b>
<b>DR100</b> Card Reader with Relay	<p><b>(Blank)</b> Standard Model</p> <p><b>C</b> DR100 + SIK: Secure Installation Kit</p> <p><b>E</b> DR100 + HE: Heater Element</p>	<p><b>(Blank)*</b> Field configured to work with AH20, AH30, or AH40 wireless hubs</p>	<p><b>IPS</b> 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)</p> <p><b>IPEXXXXX†</b> Same as IPS but with factory loaded HID Elite Credential</p> <p><b>BIPSEXXXX**†</b> HID iCLASS, HID iCLASS SE (SIO-enabled), HID iCLASS Seos, HID MIFARE SE, HID DESFire EV1 SE, MIFARE Classic, MIFARE DESFire EV1, NFC &amp; BLE-enabled Mobile Phones: HID Mobile Access (BLE and NFC), Seos Apple Wallet (NFC)</p> <p><b>BIPEXXXX**†</b> Same as BIPS but with factory loaded HID Elite Credential</p>

\* 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.