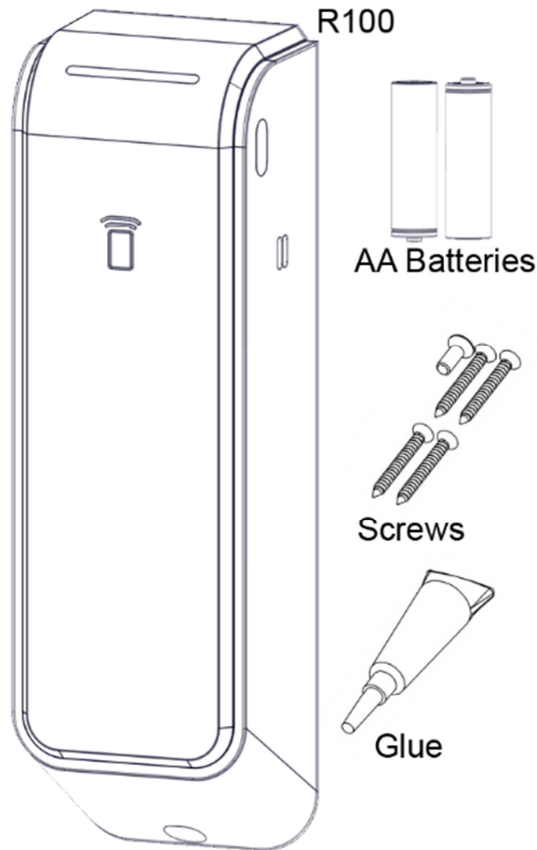


Package Contents



Recommended Tools

13.56 MHz or 125 kHz RFID credential

Level
Pencil, wax pencil

Optional Dress Cover: R100-DCA
Optional Clamping device

Product Specifications

Wireless Frequency: 2.4 GHz, IEEE 802.15.4, using AES 128-bit encryption

Lock Battery Type: 2x Lithium AA Cell (1.5 V) (Energizer L91 Ultimate Lithium)

Battery Life: 40,000 cycles*

FCC Part 15, Class B Compliant, Industry Canada, CE Compliant

Reader Operating Temperature: -13°F (-25C) to 122°F (50C)

Credentials Supported: MIFARE® Classic/DESFire/Plus, DESFire EV1, Felica, iCLASS, iCLASS SE, HID/EM PROX, ioPROX, SEOS, NFC over HCE

*Total cycle count dependent upon some user defined system settings

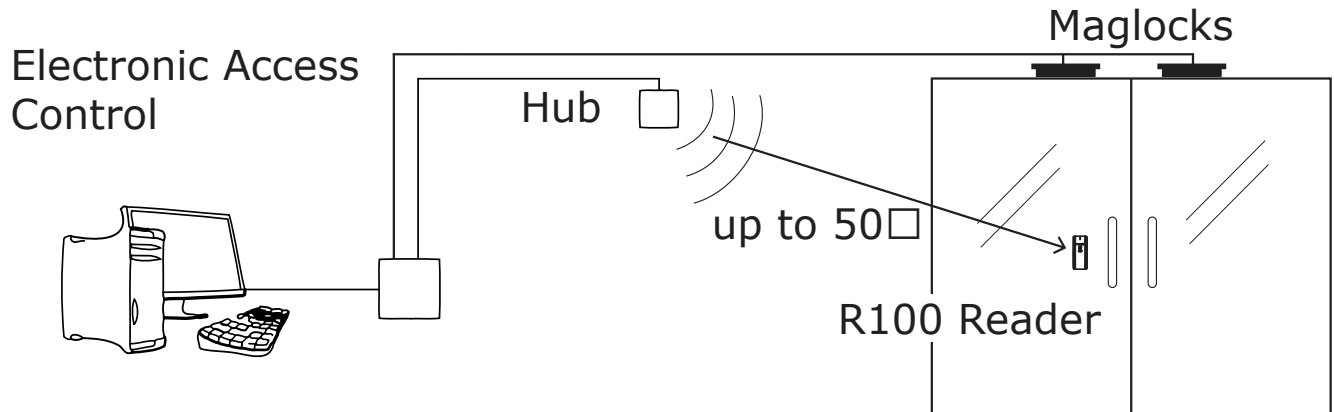
For technical support please call 1-800-810-9473

System Overview

The R100 wireless reader installs in locations where wiring may be difficult or undesired for aesthetic reasons. The R100 wireless reader connects to an access control system through an Aperio communication hub. The communication hub connects to the access control system with Wiegand, RS-485, or TCP/IP connections.

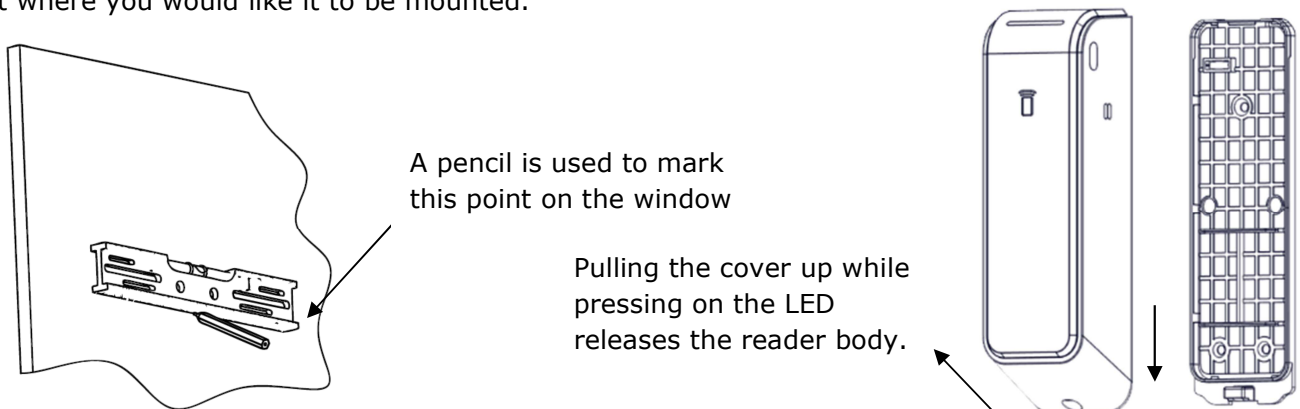
When a credential card is presented to the reader the request for access is sent wirelessly to the communication hub. The communication hub then communicates to the access control system where the decision is made to grant or deny access.

When access is granted the access control system unlocks the locking device separately.



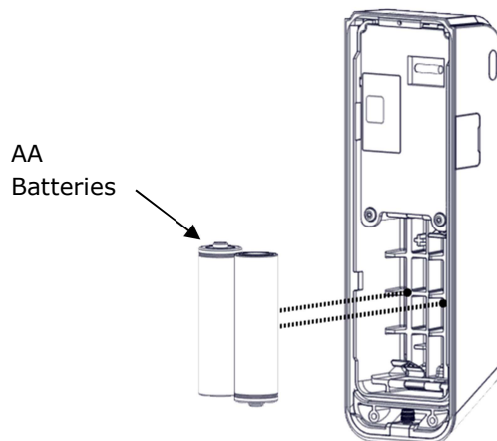
1. Preparing the R100

USE a level to mark the position. HOLD the reader body on the outside of the window and POSITION it where you would like it to be mounted.



2. Inserting the Battery

INSTALL the AA batteries, ensuring correct orientation. The reader will self-test and beep once.



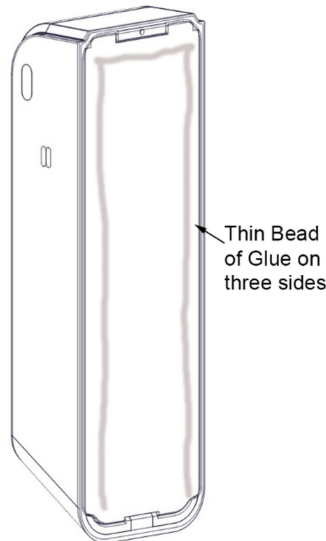
3. Mounting the Unit

The R100 can be mounted using glue or wood screws depending on personal needs.

3a. Applying Glue

APPLY a thin bead of glue to three sides of the back-plate as shown. This allows oxygen to enter and aid in the curing process. Do not use tissue or a brush to spread the adhesive.

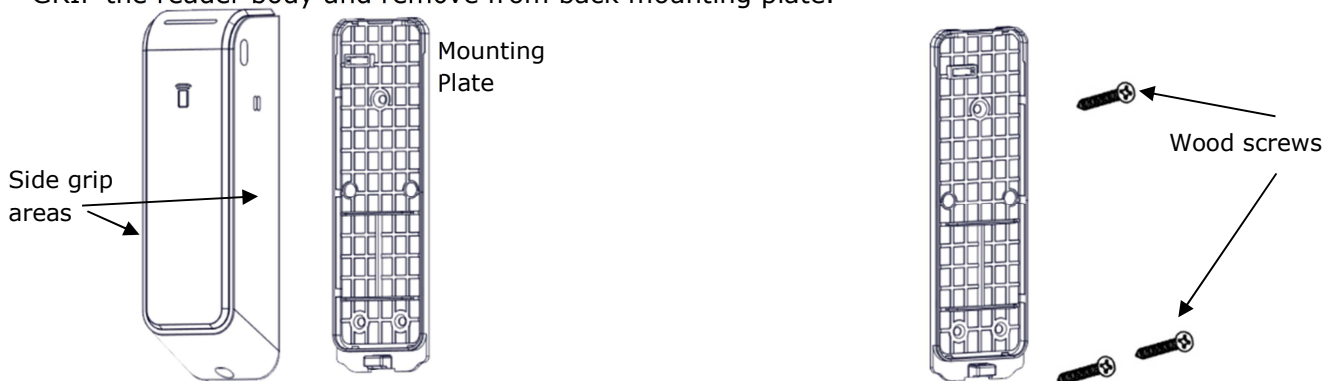
Quickly AFFIX to the pre-marked area and HOLD or CLAMP until the adhesive has bonded (at least five seconds) The seal becomes functional within a short time and permanent after 24–72 hours.



Note the rate of cure depends on the ambient relative humidity. The best results are achieved when the relative humidity in the working environment is 40–60% at 22C. Lower humidity leads to a slower cure. High humidity accelerates it, but may impair the final strength of the bond.

3b. Mounting with wood screws

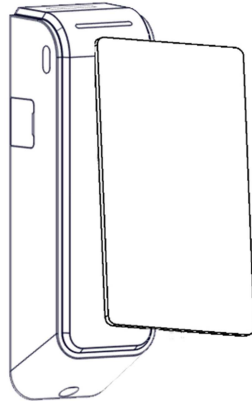
SEPARATE the components by removing the screw at the bottom of the R100 body and setting aside. GRIP the reader body and remove from back mounting plate.



PRE-DRILL through the mounting plate at the three screw locations and INSERT wood screws. REATTACH electronic module by sliding the top under the mounting plate's raised edges and pressing down firmly until it clicks. SECURE with screw at bottom of R100 body.

4. Testing Reader

USE a credential known to the access control system to confirm it will read as desired. A green LED indicates access is granted. REFER to the LED reference card for any other codes.



FCC Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Operation with non-approved equipment is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

To comply with FCC and Industry Canada RF radiation exposure limits for general population, the module must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This module is labeled with its own FCC ID and IC Certification Number. If the FCC ID and IC Certification Number are not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. In that case, the final end product must be labeled in a visible area with the following:

Contains FCC ID: VC3-R100V3

Contains IC: 7160A-R100V3

IC Statement

This device complies with Industry Canada license-exempt RSS standards(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation.

Conformité aux normes FCC

Cet équipement a été testé et trouvé conforme aux limites pour un dispositif numérique de classe B, conformément à la Partie 15 des règlements de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre des fréquences radio et, s'il n'est pas installé et utilisé conformément aux instructions du fabricant, peut causer des interférences nuisibles aux communications radio. Rien ne garantit cependant que l'interférence ne se produira pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou de télévision, qui peut être déterminé en comparant et en l'éteignant, l'utilisateur est encouragé à essayer de corriger les interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmenter la distance entre l'équipement et le récepteur.
- Branchez l'appareil dans une prise sur un circuit différent de celui auquel le récepteur est connecté.
- Consultez votre revendeur ou un technicien radio / TV pour assistance. Avertissement

Les changements ou modifications à cet appareil sans expressément approuvée par la partie responsable de conformité pourraient annuler l'autorité de l'utilisateur de faire fonctionner cet équipement.

L'opération est soumise aux deux conditions suivantes:

(1) Cet appareil ne doit pas causer d'interférences nuisibles, et

(2) Cet appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.

Pour se conformer aux limites d'exposition aux rayonnements RF de la FCC et d'Industrie Canada pour la population en général, le module doit être installé pour fournir une distance de séparation d'au moins 20 cm de toutes les personnes et ne doit pas être localisé ou en combinaison avec une autre antenne ou émetteur.

Ce module est étiqueté avec son ID FCC et son numéro de certification IC. Si l'identifiant FCC et le numéro de certification IC ne sont pas visibles lorsque le module est installé à l'intérieur d'un autre appareil, l'extérieur de l'appareil dans lequel le module est installé doit également afficher une étiquette faisant référence au module ci-joint. Dans ce cas, le produit final doit être étiqueté dans une zone visible avec ce qui suit:

Contient FCC ID: VC3-R100V3

Contient IC ID:7160A-R100V3

Conformité aux normes IC

Cet appareil est conforme avec Industrie Canada exempt de licence RSS standard(s).

Son fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne peut causer d'interférences, et

cet appareil doit accepter toute interférence, y compris des interférences qui peuvent provoquer un fonctionnement indésirable du périphérique.

Declaration of Conformity

Konform ititserklärung

Declaration de conformité

Declaración de Conformidad

Verklaring de overeenstemming

Dichiarazione di conformità

We / Wir/ Nous / WIJ / Noi:

***Hanchett Entry Systems (an ASSA ABLOY Group company)
10027 S. 51st Street, Ste 102, Phoenix, AZ 85044***

declare under our sole responsibility that the product,
erklären, in alieni niger Verantwortung,daB dieses Produkt,
declaramos, bajo nuestra sola responsabilidad, que el producto,
verklaren onder onze verantwoordelijkheid, dat het product,
dichiariamo sotto nostra unica responsabilità, che il prodotto,

R100-V3

to which this declaration relates is in conformity with the following standard(s) or other normative documents.

auf das sich diese Erklärung bezieht, mit dar/den folgenden Norm(en) oder Richtlinie(n) Obereinstimmt.

auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou au(x) document(s) normatif(s).

al que se refiere esta declaración es conforme a la(s) norma(s) u otro(s) documento(s) normativo(s).

waarnaar deze verklaring verwijst, aan de volende norm(en) of richtlijn(en) beantwoordt.

a cui si riferisce questa dichiarazione ~ conforme alla/e seguente/i norma/o documento/i normativo/i.

EN 55032:2012

EN 61000-3-2:2014

EN 61000-3-3:2013

EN 55024:2010 ITE

ETSI EN 301 489-1 v2.1.1 (2017-02)

ETSI EN 301 489-3 v1.6.1 (2013-08)