

KS100-640H Aperio Cabinet Lock Series Installation Instructions

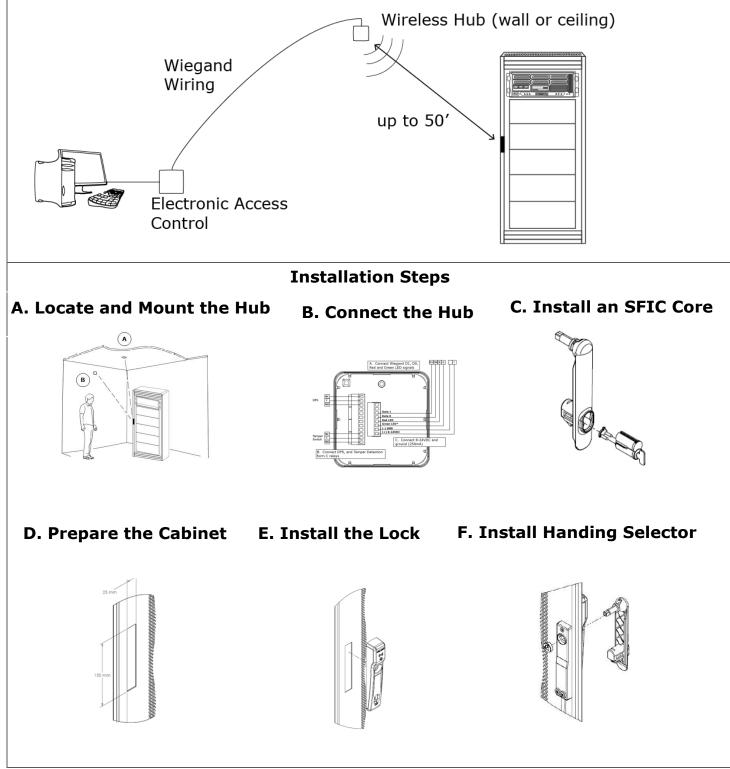
HES, Inc. Phoenix, AZ 1.800.626.7590 www.hesinnovations.com

Package Contents					
Aperio Hub	Package	E Contents	Mounting Plate	Mounting Screws	
24VDC Cable					
	Recomme	ended Tool	S		
Approved RFID Credential Phillips P2 driver, RJ45 cable PoE power injector (48VDC)	Optional Additional Tools: Gang box to mount hub SFIC Core for key override			Optional Additional Tools: Normally Open DPS switches	
	Product Sp	ecification	IS		
Wireless Frequency: 2.4 GHz, IEEE 802. Hub Power Requirement: 8-24VDC, 250 Lock Power: 48VDC Power over Etherner Power Consumption: Less than 1W Operating Temperature: -10C to 50C Holding Force: 250 lbs FCC Part 15, Compliant, Industry Cana BHMA: A156.3, A156.36, A156.25 Com Credentials Supported: 125kHz Proximi Desfire SE, Desfire EV1, and NFC credential	omA t (PoE) 802.3af compliant ada Compliant apliant ity or 13.56MHz iCLAS	ant <or> 24VDC S, iCLASS SEOS, i</or>	CLASS SE, ISO144		
For technical support please call 1-800-626-7590					

System Overview

The KS100-640 wireless server cabinet lock extends access control to a server cabinet without the complexity and expense of running wires. The KS100-640 cabinet lock connects to an access control system through the included communication hub. The communication hub connects to the access control system with Wiegand wiring typical of a Wiegand reader.

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



ASSA ABLOY, the global leader in door opening solutions Part Number 3080006.009 Rev. B

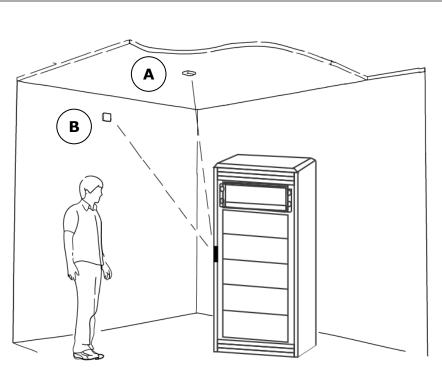
1. Choose the hub location

It is recommended that the hub be mounted on the ceiling or near the top of a wall to reduce potential for interference. Note, the hub is not rated for use in plenum air spaces.

For a stable and reliable radio link, it is recommended that the hub be located within fifty (50) feet of the lock. A maximum of two interior walls between the hub and lock is recommended

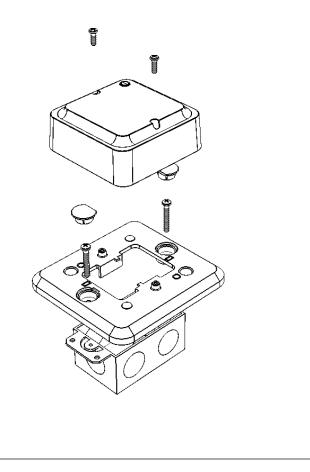
Recommended locations:

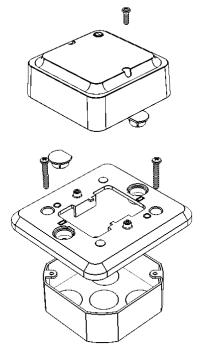
- A: Ceiling Mount
- B: Wall Mount



2. Mounting the Hub.

The included adapter plate can be used to mount the hub on a single or double gang box.



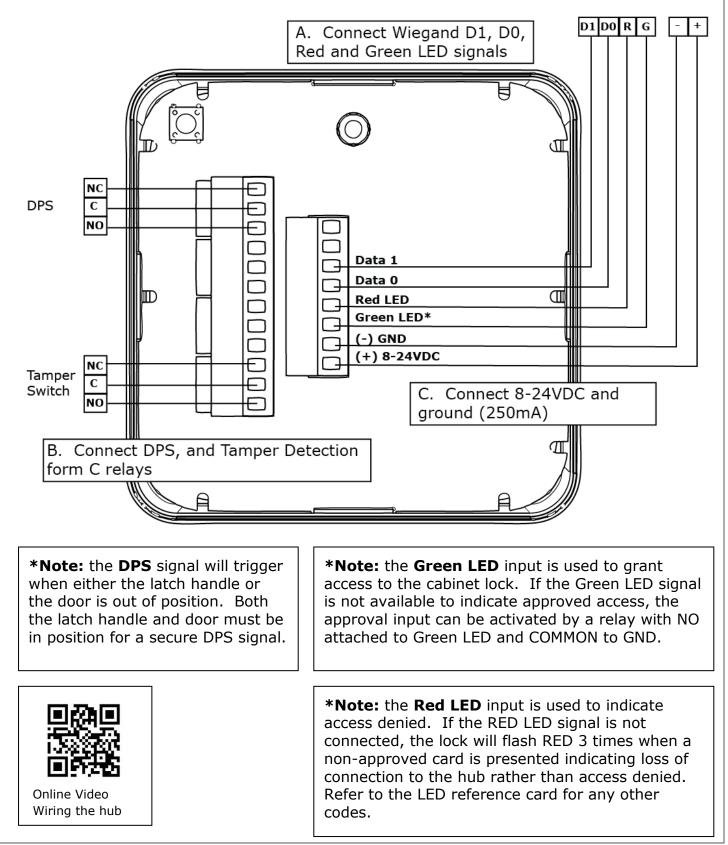




Online Video Mounting the Hub

3. Wiring the Hub.

The Aperio Hub connects to the Access Control system via Wiegand wiring. The hub requires 8-24VDC power (250mA). The hub includes two form C relays that can be used to transmit door position and tamper detection signals. The hub connects to the cabinet lock wirelessly.



4. Installing an SFIC Core

A key override (SFIC) provides a backup entry method in the rare case the KS100 or access control system is inactive. We recommend this option.

6-pin

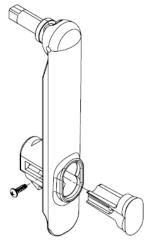
7-pin

2. Insert cam into SFIC

with 6-pin SFICs.

Use the included spacers

The included SFIC cam has been tested with Medeco and Sargent 6- or 7-pin SFIC cores.



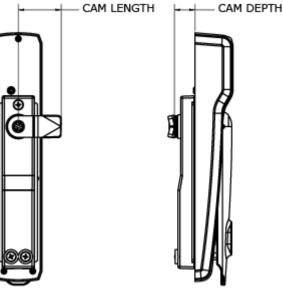
1. Remove plug from handle

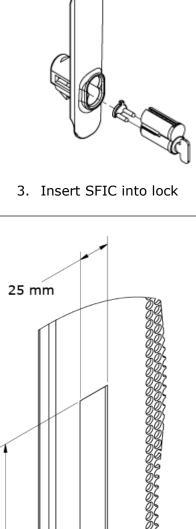
5. Prepare the Rack

Locate the 25mm x 150mm lock cutout on the door, some doors may require modification.

- 1. Verify 48V POE power is available at the rack.
- 2. Re-use the existing cam if possible.
- 3. Three cams are supplied.

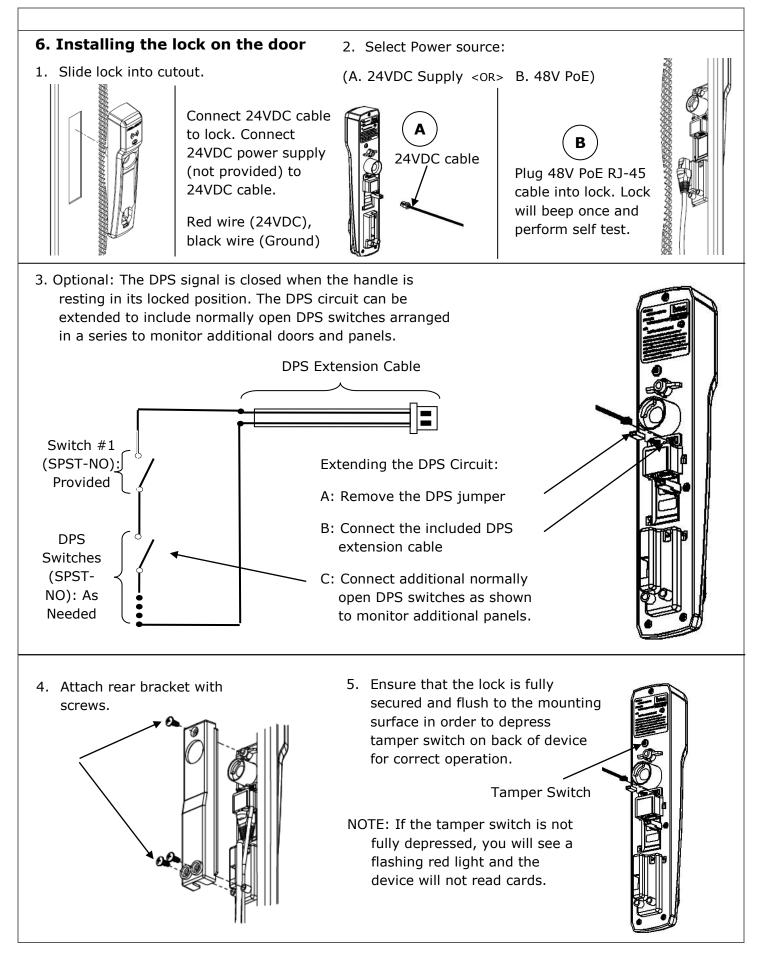
CAM	CAM LENGTH	CAM DEPTH	
CAM 1	38mm [1-1/2"]	16mm [5/8"]	
CAM 2	38mm [1-1/2"]	24mm [15/16"]	
CAM 3	45mm [1-3/4"]	22.5mm [7/8"]	







150 mm



7. Installing the Handing Selector **Note:** Be careful not to insert/snap the handle all the way in as the lever will lock. Door edge 1. Insert handing selector into lock. Constantion Constants 2. Position the arrows to point toward the door edge as shown above. 3. Secure cam with screw. 8. Testing the Lock with the Access Control System Test the lock with a known good credential to confirm it will open as desired when installed. 1. Present a credential known to the access REDENTIAL control system. 2. A green LED indicates access is granted; lift lever

WARNING

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.

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 ment aux instructions du fabricant, peut causer des interferences 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 modififications à cet appareil sans expressément approuvée par la partie responsable de conformité pourraient annuler l'autorité de l'utilisateur de faire fonctionner cet équipement.

Conformité aux normes IC

Cet appareil est confrome avec Industrie Canada exempt de license RSS standard(s). Son fonctionnement est souimes aux deux conditions suivantes:

- (1) cet appareil ne peut causer d'interférences, et
- (2) cet appareil doit accepter toute interference, y compris des interférences qui peuvent provoquer un fonctionnement indésirable du périphérique.

For Technical Support please call 1-800-626-7590

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