

# A100-3090H

## Keyless Entry Control & Aperio® Hub

The A100-3090H Keyless Entry Control for Adams Rite deadlocks, deadlatches and exit devices provide wireless security with HID® Prox or iCLASS contactless card reader that can be integrated into existing access control systems and is compatible with narrow stile aluminum and hollow metal door applications.

### Function

The A100-3090H Keyless Entry Controls with Aperio Hub is a wireless keyless entry trim for Adams Rite deadlocks, deadlatches and exit devices. Ideal for both exterior and interior aluminum and hollow metal door applications. The A100-3090H provides maximum security and audit trail with either an HID® Prox or iCLASS contactless card reader for easy integration with existing credential systems to accommodate flexible user access management.

### Operation

When an authorized card is presented, an audible beep and visual change in the red/green LED indicator confirms authorization. A high-speed motor engages an internal clutch to enable the exterior lever operation. When released, lever returns to horizontal. Clutching action prevents damage to internal components. Upon timeout, the lever operation is disabled until the next authorized card presentation or key override. The MS Deadlocks must always be relocked manually when used with the A100-3090H Keyless Entry Trim. A100-3090H accepts any standard mortise cylinder with MS® cam, available separately.



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in door opening solutions

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Patent pending and/or patent [assabloydss.com/patents](http://assabloydss.com/patents)

ARM-014-9/17

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## Certifications

FCC Compliant

## Features

- Aperio wireless technology
- Surface mounted with concealed fasteners. Suitable for 1-3/4" to 2-1/4" [44.5 mm to 57.2 mm] door thickness.
- Key override via mortise cylinder; 1" to 1-1/2" [25.4 mm to 38.1 mm] length with MS® cam (available separately)
- Audit trail limited by EAC
- **Monitoring**  
Request to Exit, available separately; door position; tamper.

## Specifications

### Wireless Access Control

Minimal field configuration for quick, easy wireless deployments that eliminate the cost and inconvenience of hardwiring the door. Fully-encrypted AES 128 bit wireless communication between the A100 lock and Aperio® hub ensures data security. The Aperio® wireless hub connects to an access control system with typical Wiegand wiring and additional REX, DPS, tamper and low batter signal wires. The Aperio® hub should be mounted within 50' of the desired lock location and through two walls or less

### Housing

Measures 1-3/4" [44.5 mm] wide x 15-3/8" [390.5 mm] high

### Handle

Clutch-protected cast zinc alloy, finished to match housing, field selectable handing.

### Operating Temperatures

Full outdoor rating; Temperature range from -31 to +151F [-35 to +66C] and 5 to 95% humidity (non-condensing)

### Standard Package

Individually boxed with wireless hub and mounting hardware for 1-3/4" [44.5 mm] to 2-1/4" [57.2 mm] door thickness.

### Shipping weight

6 lbs [2.72 kg]

## Electrical

- Powered by 4 AA alkaline batteries with low battery indication
- Integrated HID® 13.56 MHz iCLASS reader supports credentials\*: HID iCLASS® (ISO 15693)
- Integrated HID® 125 KHz Prox contactless card reader supports credentials\*: HID Prox

\*For information on migrating from one card technology to another or dual-technology card support, please contact 800-810-WIRE

## Options

- DPS switch (DPS-C-38G)
- Available in choice of powder coat 121 to match 313 Dark bronze anodized, or US26D (626) Satin chrome.

### Product Note

The Adams Rite A100 narrow stile trim is available as either a pre-paired lock 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](http://IntelligentOpenings.com) to learn more.

## How to Order, Related & Compatible Products

**A100-3090H Aperio Keyless Entry Wholesale Kit:** Specify quantity and the following information. Order related products separately.

MODEL	CREDENTIAL	COMPATIBLE PRODUCTS	FINISH
A100-3090H	C	-1	-626
	P 125 kHz HID® Prox	1 Adams Rite latches or 8000 Series Exit Devices, Yale 7200 series, Corbin Russwin ED4000 series exit devices only	121 To match 313 Dark Bronze Anodized
	C 13.56 MHz HID iCLASS	2 Adams Rite MS® deadlocks	626 Satin Chrome

### RELATED

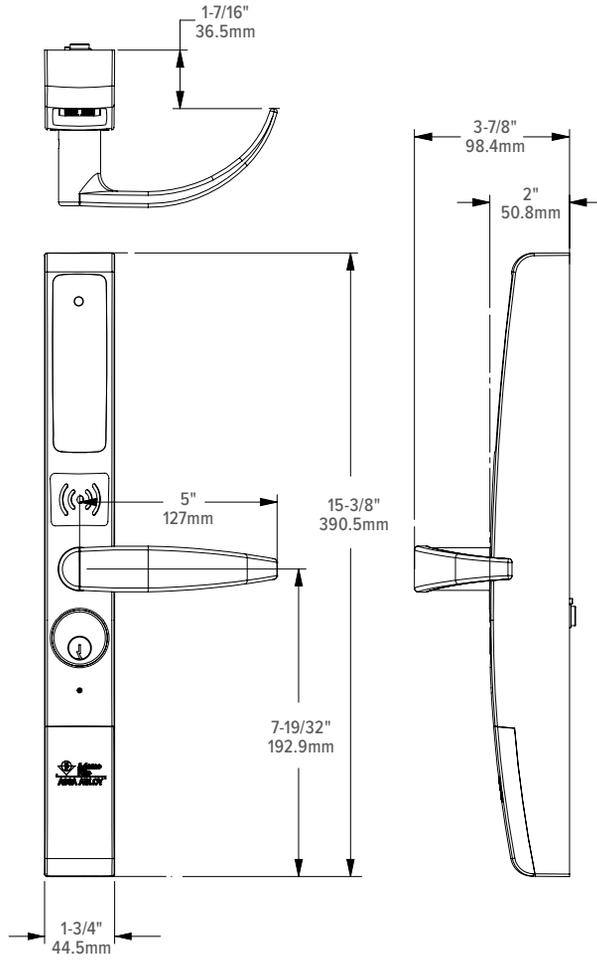
When purchasing this product, please consider the following related products, available separately:

ACCESSORIES	CYLINDER
DPS-C-38G DPS Switch	Standard 1" length, 1-5/32" diameter mortise cylinder with MS® cam such as 4036 Mortise Cylinder

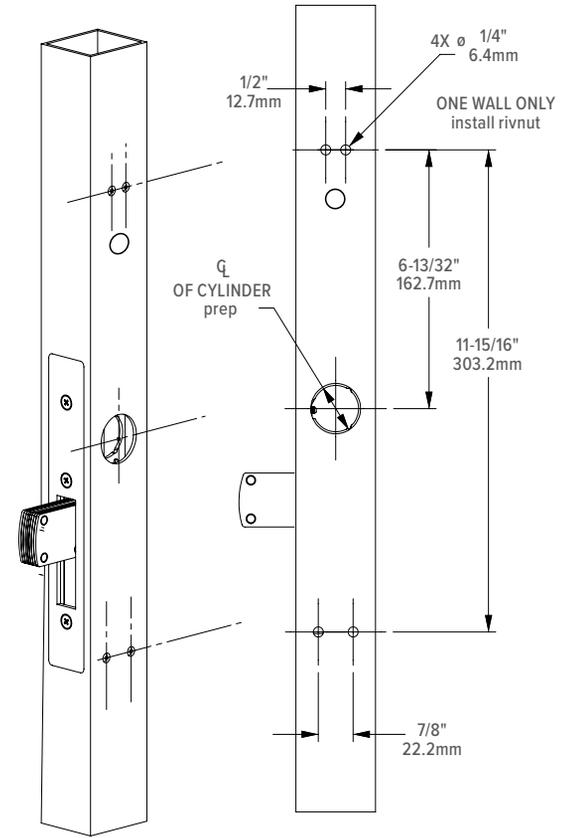
### COMPATIBLE

DEADLOCKS	DEADLATCHES	EXIT DEVICES
MS1850S, MS1850S-050, MS1850SN, MS1850SN-050, MS1950, MS1950-050 Series Deadlocks	4510, 4530, 4900, 4920AN Series Deadlatches	8100, 8200 SVR, 8300, 8400 Mortise, 8500, 8600 CVR, 8700, 8800 Rim, 8900 SCVR Exit Devices with 31/32" backset or greater. Yale 7200 Series, Corbin Russwin ED4000 Series. Please check model number for availability.

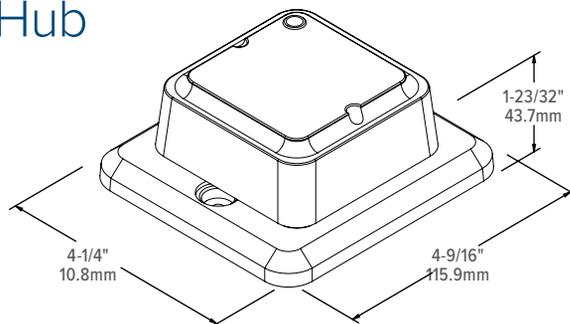
## Dimensions



## Stile Preparation



## Hub



## Lock & Cylinder Installation

