DL100 Wireless Deadlatch with Aperio® Technology

Adams Rite
ASSA ABLOY

Experience a safer and more open world

The DL100 is the most advanced Next Generation of Adams Rite deadlatch that extends real-time online access control to more openings using Aperio® wireless technology.

Ready for retrofit, renovation or any commercial project with an existing MS® door prep, the DL100 combines electrified locking hardware with an access control system in standard aluminum-stile doors. The DL100 uses low energy motorized EcoLatch® technology for silent operation and 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.
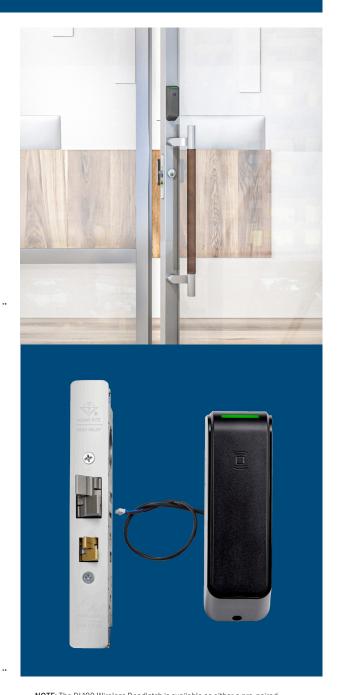
Flexible Wireless Connectivity

- Integrates with most existing access control systems and credentials
- Support for HID multiCLASS SE and NFC/BLE mobile access card technologies
- Real time monitoring for DPS, tamper, REX, locked state and latch status, and battery health

Designed for Versatility

- Universal compatibility with any existing MS® door prep
- Battery operated; no power transfers or wiring required
- Designed to work with Adams Rite paddle and lever trim
- Multiple backset, faceplate and finish options to match any aluminum opening
- Suitable for interior or exterior openings (14° to 140° F)

Convenient and Secure

- Modular construction for easy no-cut, no-drill installation
- Flexible field configurable monitoring options
- Features low energy EcoLatch® motorized actuator technology for ultra-quiet operation
- Fully encrypted data transmission for enhanced security

NOTE: The DL100 Wireless Deadlatch 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 to learn more.**

Aluminium
Swinging Door
aperio™
FC

Certifications

- UL 294 Listed - Indoor Rated
- UL 294 Salt Spray Test Compliant
- Tested to IP65 (Reader Only)

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

Features

All Models
- 2.4 GHz Aperio wireless technology
- Integrates with most existing access control systems and credentials
- Audit trail limited by access control system
- Battery operated

Deadlatch Features
- Non-handed
- Fail secure operation (standard)
- Factory configured Form C Latch status monitoring
- Integrated locked state and tamper monitoring
- Universal compatibility with any existing MS® door prep
- Fully finished faceplate and strike plate
- Tamper resistant
- Features low energy EcoLatch® motorized actuator technology

Lock Backset
31/32" [24.6 mm], 1-1/8"[28.6 mm], and 1-1/2" [38.1 mm].

Case
Measures 15/16" x 5-13/16" x depth [23.8 mm x 147.6 mm x depth]. Depth varies by backset.

Latchbolt
Stainless steel. Measures 5/8" x 1" x 5/8"[15.9 mm x 25.4 mm x 15.9 mm] throw.

Auxiliary Bolt
All metal. Deadlocks latchbolt to prevent "loiding" or case-knife entry.

Faceplate
Measures 1" x 6-7/8" [25.4 mm x 174.6 mm]. Both flat and radius faceplates are supplied. Flat faceplates can also be adjusted in the field for right or left beveled edge doors.

Strike
Pick from optional strikes. 4304 surface mounted strike for easy retrofits. Specify 4901-01 mortised-flush version when covering existing MS® deadlock preparation or for new applications. 4901-02 strike is available with radius profiles for pairs of doors and with extended lips of center-hung or thick door applications.

Deadlatch Reader Features
- Supports HID multiCLASS SE® card technologies
- Supports NFC & BLE mobile access credentials
- Bi-color LED visual status indicators; Red/Amber or Green/Amber

Options
- DL100-DRK Door Repair/Retrofit Plate

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 DL100 lock and Aperio® hub ensures data security. The Aperio wireless hub connects to an access control system with typical access control cabling or via an ethernet connection. The Aperio hub should be mounted within 50' of the desired lock location and through two walls or less.

Compatible Aperio Hubs
- AH20
- AH30
- AH40

Operating Temperature
(both products)
14° to 140° F [-10° to 60° C]

Operating Humidity
(both products)
0 to 93% relative humidity non-condensing

Standard Package
Individually boxed with strike plate, flat and radius faceplates, and mounting screws. Supplied with 4581 Universal Cam Plug to work with specified handles or paddle operators. Cylinder, paddle, handle available separately.

Electrical
- (2) "AA" lithium batteries (included)
- AA LR6 (1.5 V) lithium ion batteries required. Use of other types of batteries, such as alkaline, will significantly decrease battery life.
- microUSB port for emergency power

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

How to Order

DL100 Wireless Deadlatch: Specify quantity and the following information. Order related products separately.

PRODUCT NO.	BACKSET	STRIKE	STRIKE SHAPE/LIP LENGTH	OPTIONS	CREDENTIAL	FINISH
DL100	-3	2	01		-IPS	-628
Monitoring & DPS are Standard Features	**2** 31/32"	**1** Surface Mount (4304)	**01** Flat/Standard Jamb	**(blank)** Lock & Reader	**IPS** HID multiCLASS SE + HID NFC Mobile Access Enabled	**313** Dark Bronze Anodized
	3 1-1/8"	**2** Mortised (4901)	**02** Radius Standard Stiles	**H** Wholesale kit*		**335** Black Anodized
	4 1-1/2"		**17** Flat/Center Hung 4" Jamb		**IPEXXXXX**** HID iCLASS ELITE + HID NFC Mobile Access Enabled	**628** Clear Anodized
			21 Flat/Center Hung 4-1/2" Jamb		**BIPSXXXXX**** HID BLE multiCLASS SE + HID NFC Mobile Access Enabled	
					BIPEXXXXX** HID iCLASS ELITE + HID BLE & NFC Mobile Access Enabled	

*Available only with IPS option. ** XXXXX is a unique or customer specific key that is only re-orderable for that specific company.