HES® ES100 Series Wireless Electric Strike

The most versatile way to retrofit an opening with real-time online access control

The HES ES100 Series Wireless Electric Strikes make online access control simple and affordable.

For the first time, the industry leading features of the HES 1500 and 1600 series electric strikes have been paired with Aperio® wireless technology to provide even more affordable access control retrofit options for remote control and monitoring. Available in both Convenient (non-monitored) and Secure (monitored) model options. Compatible with most models of cylindrical and mortise latchbolt locksets, including 1" deadbolts. Simply put, the HES ES100 Series Electric Strike is the affordable, universal retrofit solution that offers flexible configuration options and dynamic adjustability without the need to run wires.

Features

Standard Features (All Models)

- 2.4 GHz Aperio wireless technology
- Integrates with existing access control systems and credentials
- Audit trail limited by access control system
- Battery operated for stand-alone operation
- SecuriCare three-year, no-fault, no questions asked warranty

Electric Strike Features

- Non-handed
- Fail secure operation (standard)
- Static strength 1,500 lbs
- Dynamic strength 70 ft-lbs
- Interchangeable faceplates and accessories
- Factory configured monitored (M) and non-monitored options
  - M Security – Monitored (Latch and Door Position Monitor)
  - MH Security – Monitored Kit with AH20 1:1 Wiegand Hub
- Integrated locked state and tamper monitoring
- Field adjustable integrated shim for changing door conditions
- Fully finished faceplate, keeper, case, trim, and strike body
- Stainless steel construction
- Tamper resistant
- Strike body depths
  1500: 1-3/8" [35mm]
  1600: 1-5/8" [41mm]

Card Reader Features

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

CE aperio UL CERTIFIED

Grade 1 | SecuriCare 3 Year Warranty | Mortise Locks with Deadbolt | Mortise Locks without Deadbolt | Cylindrical Locksets | Fire Rated | Windstorm Resistant | Burglary Rated

NOTE: The HES ES100 Electric Strike 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.

Accessories (For use with all models)

- **157** Torx screws
- **HESCUT-MTK** Metal template kit
- **Latch Guard**
- **OPT-1SRK** Spring replacement kit
- **OPT-1LM** Single lock monitor
- **EXT-10-ANT** Aperio® Hub External Antenna (Omni-directional)

For use with 1500 models (XXX – finished to match)

- **1500-104-XXX** Lip extension trim adapter
- **1500-106-XXX** 4500 adapter and trim enhancer kit

For use with 1600 models (XXX – finished to match)

- **1600-104-XXX** Lip extension trim adapter
- **1600-106-XXX** 1006 adapter and trim enhancer kit

Specifications

Certifications

- UL 294 listed
- FCC Part 15 & Industry Canada Compliant
- CE Red – Radio Equipment Directive – 2014/53/EU
- UL 1034 burglary-resistant
- UL 10C fire rated, 3-hour single door (fail secure only)
- UL 10C fire rated, 1-1/2 hour double door (fail secure only)
- CAN/ULC-S2014 fire door conformant
- NFPA-252 fire door conformant
- ASTM-E152 fire door compliant
- California Fire Marshall listed
- ANSI/SDI A250.13 windstorm resistant
- Florida Building Code approved TAS 201, 202, 203
- ANSI-ASTM E330
- RoHS compliant

Frame Application

- Metal
- Wood

Electrical

- Estimated Battery Life: 45,000 Cycles*
- (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

**All battery life claims are approximate and based on a set configuration profile. Battery performance is based on pre-defined system settings such as battery chemistry and battery model used, credential presentation settings (LED/buzzer), UHF polling period, UHF status intervals, and operations per day. Actual battery performance will vary and depends on the factors above.*

Environmental

Electric Strike

- **Operating Temperature** 32° to 122° F [0° to 50° C]
- **Operating Humidity** 0 to 90% relative humidity non-condensing

Card Reader

- **Operating Temperature** 32° to 122° F [0° to 50° C]
- **Operating Humidity** 0 to 90% relative humidity non-condensing
- Tested to IP65 for use in indoor or exterior inswing applications

Card Technology HID® multiCLASS SE®

- **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
  - NFC mobile access
- **Low Frequency (125 kHz)**
  - HID Prox®
  - AWID
  - EM4102
  - ioProx
- NFC/BLE mobile access credentials

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Updated 2/23/21 Patent pending and/or patent www.assaabloydss.com/patents

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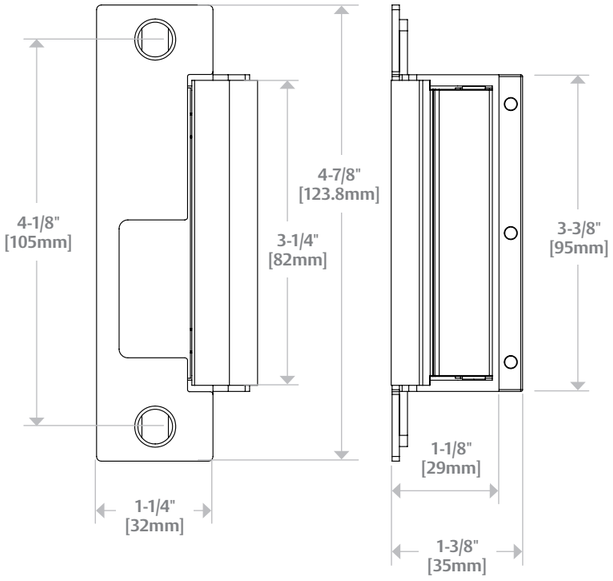
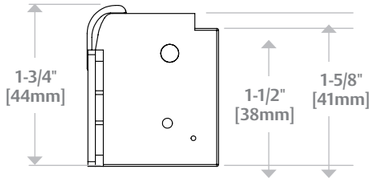
1500 Dimensions





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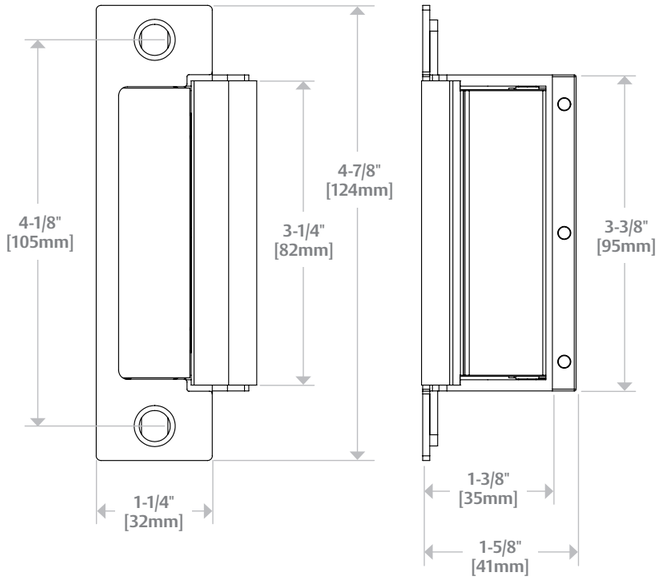
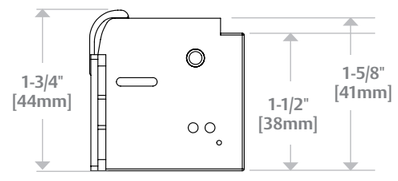
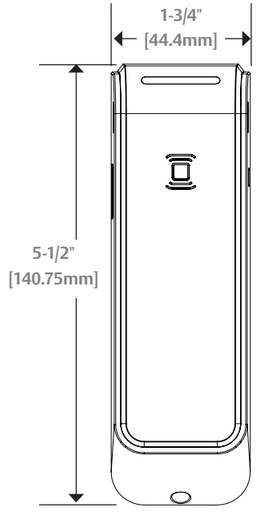
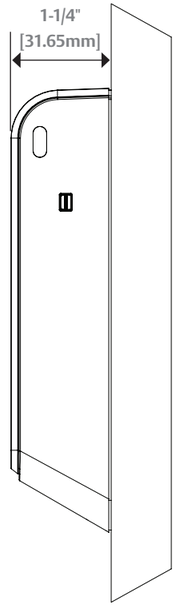
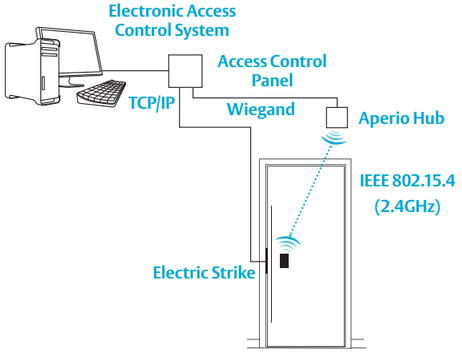




Reader Dimensions







Typical Configuration

Local wireless communication eliminates the cost and inconvenience of wiring in and around the door, without the hassle of complex site surveys.

- **Reader Harness Length** 9" [228.6 mm]
- **Strike Harness Length** 7" [177.8 mm]
- **Strike DPS/Latch Monitor Harness Length** 10" [254mm]

How to Order

PRODUCT FAMILY	COMMUNICATION	MODEL SERIES	FACEPLATES	OPTIONS	CARD TECHNOLOGY	STRIKE FINISH
ES	100	– 15	L	M	-IPS	– 630
Electric Strike	**100** Aperio Wireless	**15** Reader and 1500 Strike	**(blank)** Strike Body Only	**(blank)** Convenience — Non-Monitored	**IPS** RFID (HID multiCLASS SE)	**605** Bright Brass
		16 Reader and 1600 Strike	**L** Complete Pac for Latchbolts	**M** Security — Monitored	**BIPSXXXXX*** ** RFID + BLE (HID multiCLASS SE)	**606** Satin Brass
				H** Wholesale Kit		**612** Satin Bronze
			D* Complete Pac for Deadbolts	**MH**** Wholesale Kit with Monitoring for High Security		**613** Bronze Toned
			S* Complete Pac for Latchbolts and Deadbolts			**613E** Dark Oxidized Satin Powder
						629 Bright Stainless Steel
						630 Satin Stainless Steel
						BSP Black Suede Powder

**Available with 1600 Only. **Kit includes integrated lock paired with Wiegand 1:1 wireless hub. Only available with L or S Complete Pac Options in 630 finish. ***XXXXX is a unique or customer specific key that is only reorderable for that specific company.*

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Canada assaabloydss.ca | 800 461 3007 | sales.dss.ca@assaabloy.com

Updated 2/23/21 Patent pending and/or patent www.assaabloydss.com/patents

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