HES® ES100 Series Wireless Electric Strike

with Aperio® Technology

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

Discover the Next Generation of HES Electric Strikes

Extend real-time online access control to more openings with the NEW HES ES100 Wireless Electric Strike. The most advanced, modular electric strike is now available with Aperio wireless technology.

Flexible Wireless Connectivity

- Compatible with nearly all access control platforms
- Real time DPS, tamper, REX and battery health monitoring and control
- Support for HID multiCLASS SE and NFC/BLE mobile access card technologies

Designed for Versatility

- Universal compatibility with nearly all cylindrical & mortise latchbolt locksets
- Dynamic integrated field adjustability
- Interchangeable faceplates and accessories

Convenient and Secure

- Modular construction for easy installation
- Flexible field configurable upgrade options
- Support for 1" deadbolt privacy applications
- Fully encrypted data transmission for enhanced security

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

Electric Strike Features

- Non-handed
- Fail secure operation (standard)
- Static strength 1,500 lbs
- Dynamic strength 70 ft-lbs
- 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

R100
1500   1600

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.

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

CE   aperio   UL CERTIFIED

Electric Strike Features cont.

- 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

Accessories (For use with all models)

- **157** Torx screws
- **HESCUT-MTK** Metal template kit
- **150** Strike 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 in-swing 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

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
						606 Satin Brass
		16 Reader and 1600 Strike	**L** Complete Pac for Latchbolts	**M** Security — Monitored	**BIPSXXXXX*** RFID + BLE (HID multiCLASS SE)	**612** Satin Bronze
				H** Wholesale Kit		**613** Bronze Toned
			D* Complete Pac for Deadbolts	**MH**** Wholesale Kit with Monitoring for High Security		**613E** Dark Oxidized Bronze Powder
			S* Complete Pac for Latchbolts and Deadbolts			**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.*