

ES100 Series Wireless Electric Strike

with Aperio® Technology



ASSA ABLOY

Experience a safer
and more open world

Discover the Next Generation of Electric Strikes

Extend real-time online access control to more openings with the NEW 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



NOTE: The 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.

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



Grade 1



SecuriCare
Warranty



Mortise Locks
with Deadbolt



Mortise Locks
without
Deadbolt



Cylindrical
Locksets



Specialty
Locksets



Windstorm
Resistant



Burglary
Rated



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
- Features low energy **EcoStrike™** motorized actuator technology
- 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
- **HES-CUT-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** 14° to 140° F [-10° to 60° C]
- **Operating Humidity** 0 to 90% relative humidity non-condensing

Card Reader

- **Operating Temperature** 14° to 140° F [-10° to 60° 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

Visit hesinnovations.com/en/where-to-buy to find your local distributor and place an order

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
			D* Complete Pac for Deadbolts	H** Wholesale Kit		613E Dark Oxidized Bronze Powder
			S* Complete Pac for Latchbolts and Deadbolts	MH** Wholesale Kit with Monitoring for High Security		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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