



# Electric Strikes

# ES100 Series Wireless Integrated Electric Strike

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



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

For the first time, the industry leading features of the 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 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
- 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]

### 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

### 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



Grade 1

SecuriCare  
WarrantyMortise Locks  
with DeadboltMortise Locks  
without  
DeadboltCylindrical  
Locksets

Fire Rated

Windstorm  
ResistantBurglary  
Rated

*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](http://IntelligentOpenings.com) to learn more.*

ASSA ABLOY

## ES100 Series Wireless Electric Strike

### Accessories (For use with all models)

- 157 Torx screws
- HES-CUT-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 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 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