ES100 Series Wireless Electric Strike

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

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 ES100 Series Electric Strike is the affordable universal retrofit solution that offers flexible configuration options and dynamic adjustability without the need to run wires to every door.

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 1500 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 with Request to Exit)
  » 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 credentials
- Bi-color LED visual status indicators, Red/Amber or Green/Amber

Grade 1 | SecuriCare Warranty | Mortise Locks with Deadbolt | Mortise Locks without Deadbolt | Cylindrical Locksets | Fire Rated | Windstorm Rated | Burglary 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 to learn more.

h.e.s.

ASSA ABLOY

ES100 Series Wireless Electric Strike

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)
- **APD10USB** Aperio Radio Dongle*
- **ACC10** Credential test cards
- **HSA-HPK** Hard powered kit
- **HSA-HE** Heating Element
- **HSA-CWK** Cold Weather kit

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 (filler plate finished to match, black trim enhancer)

Certifications

- ANSI/SDI 250.13 Certified
- CAL FIRE, 3776-1654:0503
- NFPA-252 Fire Door Compliant
- CE RED Certified
- FCC and IC Compliant
- RoHS Compliant
- UL 10C Fire Rated
- UL 294 Listed
- UL 1034 Burglary-Resistant
- CAN/ULC-S104 Listed

Specifications

Frame Application

- Hollow Metal
- Wood

Electrical

- Estimated Battery Life*: 45,000 Cycles*
- (2) "AA" Lithium Ion 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.
- Micro-USB port for emergency power

Environmental

Electric Strike

- Operating Temperature: -25C to 60C (-13 F and 140 F)
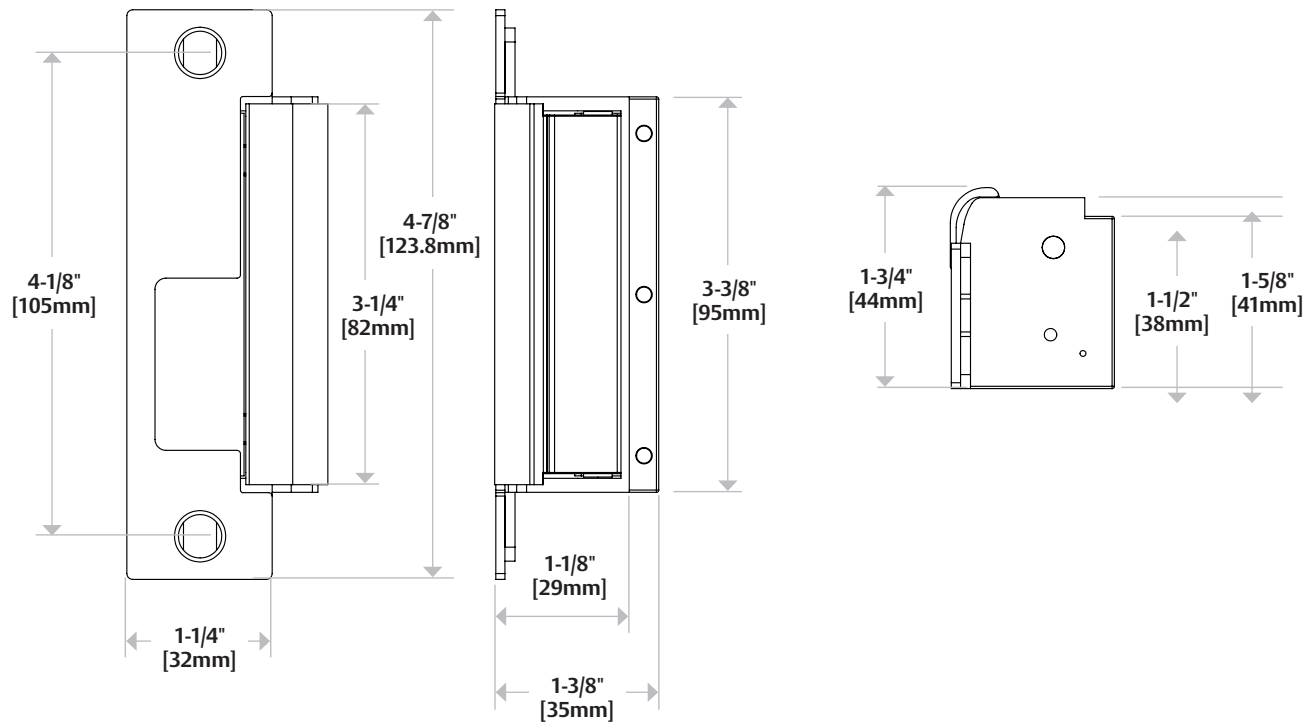- Operating Humidity: 0 to 90% relative humidity non-condensing

Card Reader

- Operating Temperature: -25C to 60C (-13 F and 140 F)
- Operating Humidity: 0 to 90% relative humidity non-condensing
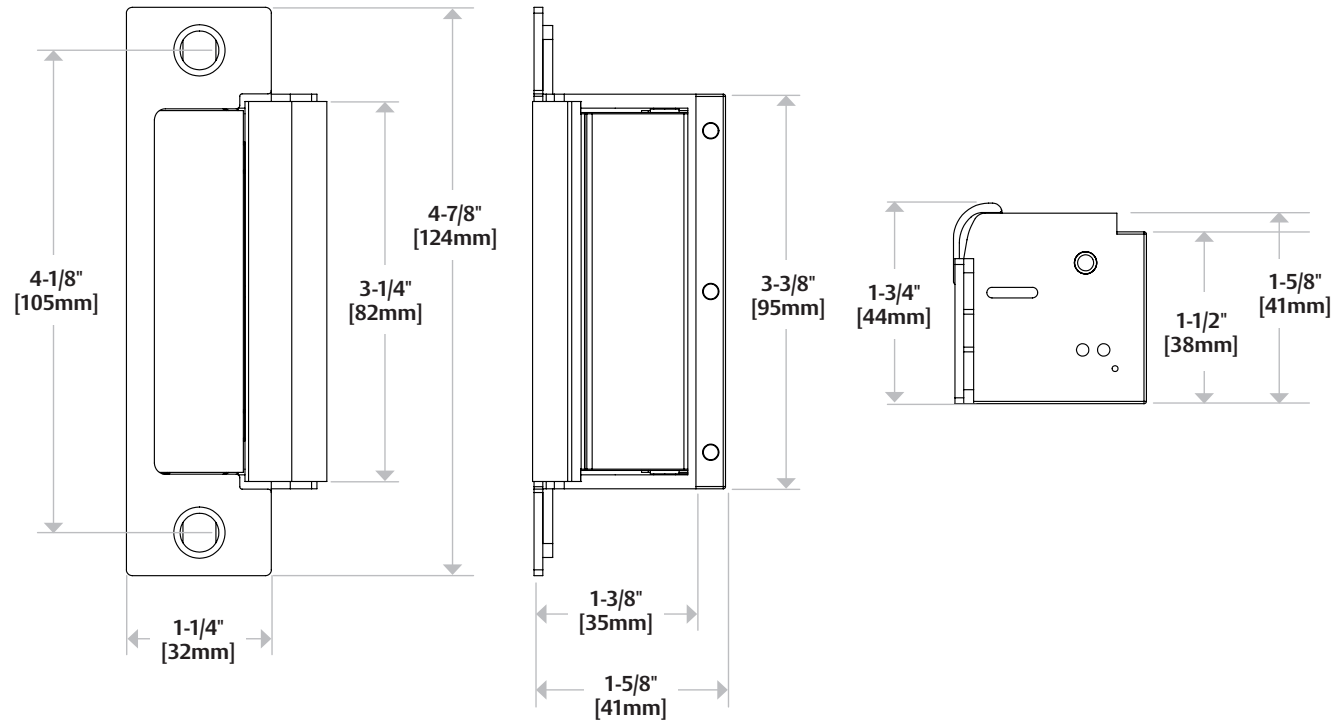- Tested to IP65 for use in indoor or exterior inswing applications

Card Technology

- High Frequency (13.56 MHz)
  - » 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
- Mobile Access Credentials
  - » NFC
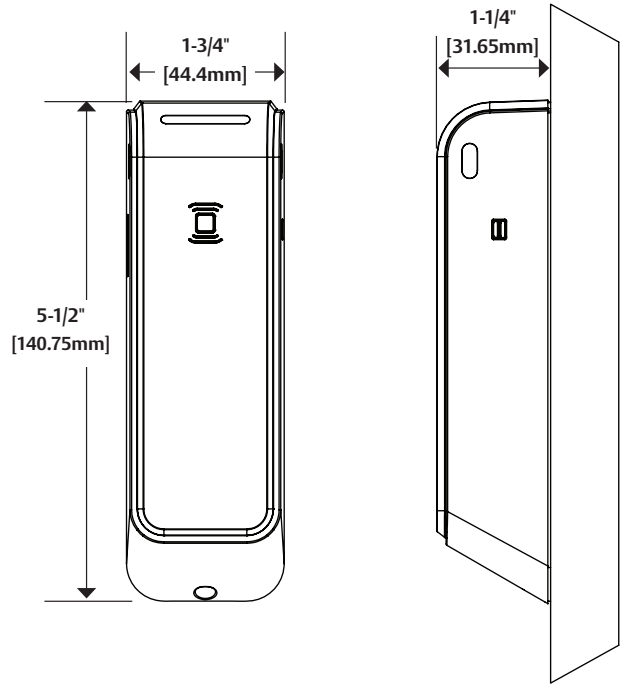 - » HID BLE mobile access
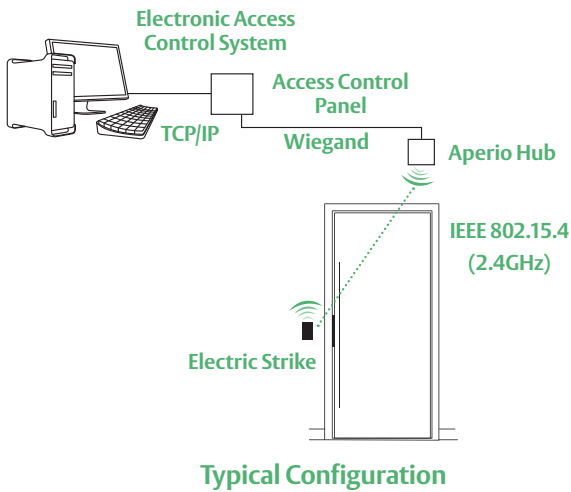 - » SEOS iOS Apple Wallet

ES100-15 Dimensions

4-1/8"
[105mm]

4-7/8"
[123.8mm]

3-1/4"
[82mm]

3-3/8"
[95mm]

1-1/8"
[29mm]

1-1/4"
[32mm]

1-3/8"
[35mm]

1-3/4"
[44mm]

1-1/2"
[38mm]

1-5/8"
[41mm]

ES100-16 Dimensions

4-1/8"
[105mm]

4-7/8"
[124mm]

3-1/4"
[82mm]

3-3/8"
[95mm]

1-1/4"
[32mm]

1-3/8"
[35mm]

1-5/8"
[41mm]

1-3/4"
[44mm]

1-1/2"
[38mm]

1-5/8"
[41mm]

ES100 Series Wireless Electric Strike

ES100 Reader Dimensions

1-3/4"
[44.4mm]

1-1/4"
[31.65mm]

5-1/2"
[140.75mm]

Electronic Access Control System

Access Control Panel

TCP/IP

Wiegand

Aperio Hub

IEEE 802.15.4 (2.4GHz)

Electric Strike

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

SERIES	MODEL	FACEPLATES	OPTIONS	CARD TECHNOLOGY	STRIKE FINISH
ES100	**– 15**	**L**	**M**	**-IPS**	**– 630**
	15 Reader Body and 1500 Strike for ANSI Latchbolt Locks	**(blank)** Strike Body Only	**(blank)**** Convenience — Non-Monitored; Field configured to work with AH20, AH30, or AH40 wireless hubs	**IPS** HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, MIFARE DESFire EV1, NFC-enabled Mobile Phones: HID Mobile Access (NFC), Seos Apple Wallet (NFC)	**605** Bright Brass
					606 Satin Brass
		L Complete Pac for Latchbolts			**612** Satin Bronze
					613E Dark Oxidized Bronze Powder
	16 Reader Body and 1600 Strike for ANSI Latchbolt & Deadbolt Lockse	**D*** Complete Pac for Deadbolts	**M**** Security — Monitored (Latch and Door Position Monitor with REX)	**IPEXXXX**† Same as IPS but with factory loaded HID Elite Credential	**629** Bright Stainless Steel
					630 Satin Stainless Steel
		S* Complete Pac for Latchbolts and Deadbolts	**H***** Without Monitoring; Factory Paired with AH20 1:1 Wiegand Hub		**BSP** Black Suede Powder
			MH*** With Monitoring; Factory Paired with AH20 1:1 Wiegand Hub	**BIPSXXXXX****† HID iCLASS, HID iCLASS SE (SIO-enabled), HID iCLASS Seos, HID MIFARE SE, HID DESFire EV1 SE, MIFARE Classic, MIFARE DESFire EV1, NFC & BLE-enabled Mobile Phones: HID Mobile Access (BLE and NFC), Seos Apple Wallet (NFC)	
				BIPEXXXXX**† Same as BIPS but with factory loaded HID Elite Credential	

*Available with 1600 Only. ** Only available through ACP/CI channel. **XXXXX is a unique or customer specific key that is only reorderable for that specific company.
*** Only available with L or S Complete Pac Options in 630 finish. † HID Authorization form will need to be filled out and signed by the end user who has authority of the ELITE KEY.

1500C Complete Electric Strike

For all cylindrical and mortise locksets with 3/4" latchbolt.

The 1500C includes a 1500 electric strike body and the 1LB faceplate kit for latchbolts.
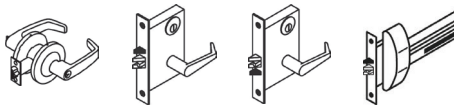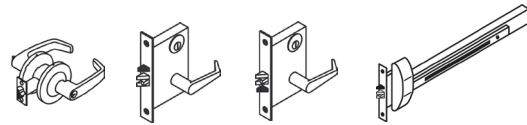
1J Option	1KM Option
1K Option	1KD Option

Compatible Locksets

1600CLB Complete for Latchbolt Locks

The Complete One Box Solution for all cylindrical and mortise locksets.

The 1600CLB includes a 1600 electric strike body and the 1LB faceplate kit for latchbolts.

1J Option	1KM Option
1K Option	1KD Option

Compatible Locksets

1600CS Complete Electric Strike

The Complete One Box Solution for all cylindrical and mortise locksets, with or without a 1" deadbolt.

The 1600CS includes a 1600 electric strike body, the 1LB faceplate kit for latchbolts and the 1DB faceplate kit for deadbolts.

1J Option	1KD Option	1ND Option
1K Option	1N Option	1NTD Option
1KM Option	1NM Option	

Compatible Locksets
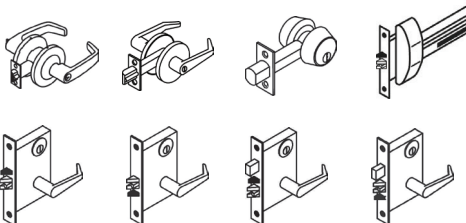
1600CDB Complete for Deadbolt Locks

The Complete One Box Solution for all locksets with a 1" deadbolt.

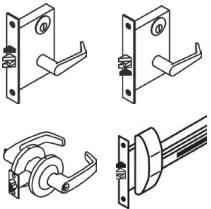The 1600CDB includes a 1600 electric strike body and the 1DB faceplate kit for deadbolts.

1N Option	1ND Option
1NM Option	1NTD Option
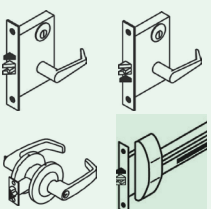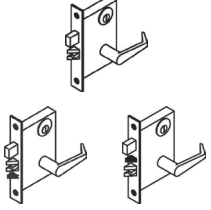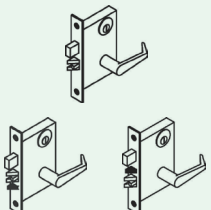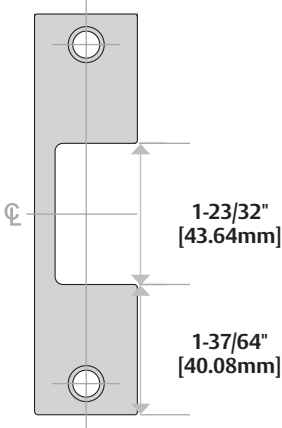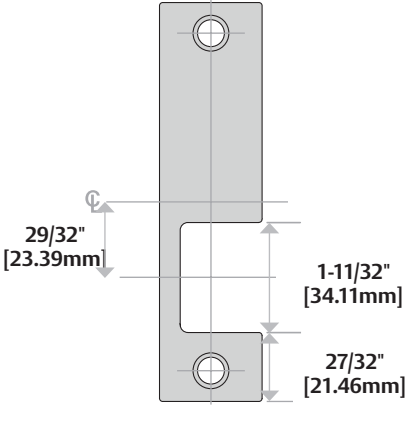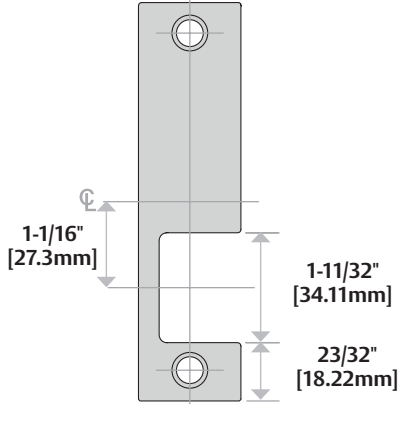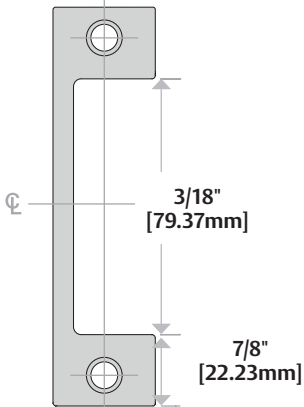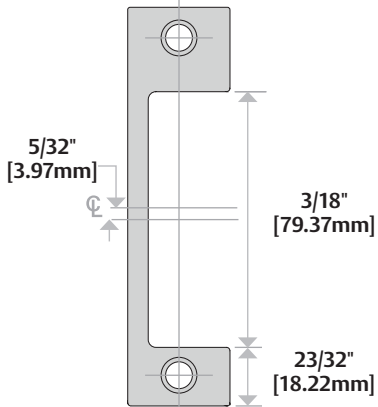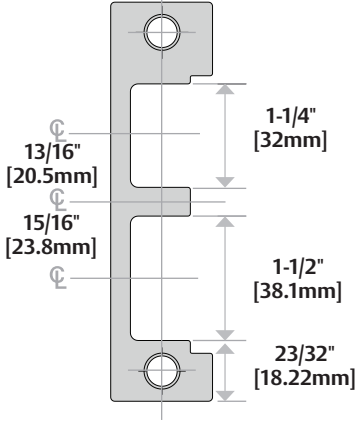
Compatible Locksets

1500 | 1600 | ES100 Series Faceplate Options

OPERATION		After releasing the latchbolt, the keeper returns to the locked position.
	Cylindrical Locksets / Mortise Locks without Deadbolt	

1LB Option

4-7/8" × 1-1/4"
[123.8mm x 31.75mm]

The Latchbolt Solution: Includes the hardware to accommodate every cylindrical and mortise lock up to a 3/4" [19mm] latchbolt. For metal frame applications.
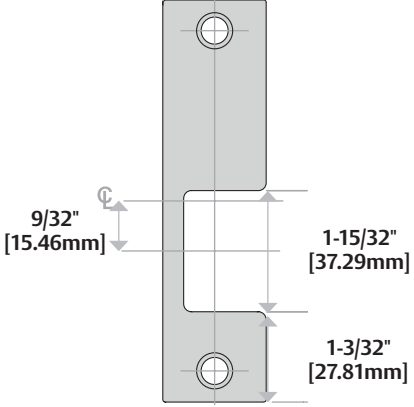
OPERATION		After releasing the latchbolt, the keeper returns to the locked position.
	Cylindrical Locksets / Mortise Locks without Deadbolt	

1LB-2 Option

9" × 1-3/8"
[123.8mm x 34.9mm]

The Latchbolt Solution: Includes the hardware to accommodate every cylindrical and mortise lock up to a 3/4" [19mm] latchbolt. For wood frame applications.

OPERATION		After releasing the latchbolt, the keeper returns to the locked position.
	Mortise Locks with Deadbolt	

1DB Option (1600 Only)

4-7/8" × 1-1/4"
[123.8mm x 31.75mm]

The Deadbolt Solution: Includes all hardware to retain, and release all mortise locks, and tubular deadbolts up to a 1" latchbolt. For metal frame applications.

Mode 1: Night latch function. The deadbolt is retracted during traffic hours. The latchbolt is released by the keeper and keeper returns to the locked position.

Mode 2: Lockout function. The electric strike will not release if the deadbolt is extended.

OPERATION		After releasing the latchbolt, the keeper returns to the locked position.
	Mortise Locks with Deadbolt	

1DB-2 Option (1600 Only)

9" × 1-3/8"
[123.8mm x 34.9mm]

The Deadbolt Solution: Includes all hardware to retain, and release all mortise locks, and tubular deadbolts up to a 1" latchbolt. For wood frame applications.

Mode 1: Night latch function. The deadbolt is retracted during traffic hours. The latchbolt is released by the keeper and keeper returns to the locked position.

Mode 2: Lockout function. The electric strike will not release if the deadbolt is extended.

1500 | 1600 | ES100 Series Faceplate Option Dimensions

1J

1-23/32"
[43.64mm]

1-37/64"
[40.08mm]

1K

29/32"
[23.39mm]

1-11/32"
[34.11mm]

27/32"
[21.46mm]

1KD

1-1/16"
[27.3mm]

1-11/32"
[34.11mm]

23/32"
[18.22mm]

1KM

9/32"
[15.46mm]

1-15/32"
[37.29mm]

1-3/32"
[27.81mm]

1N

3/18"
[79.37mm]

7/8"
[22.23mm]

1ND

5/32"
[3.97mm]

3/18"
[79.37mm]

23/32"
[18.22mm]

1NM

1/8"
[3.17mm]

2-7/8"
[73.02mm]

1-9/64"
[28.83mm]

1NTD

1-1/4"
[32mm]

13/16"
[20.5mm]

15/16"
[23.8mm]

1-1/2"
[38.1mm]

23/32"
[18.22mm]

1500 | 1600 | ES100 Series Faceplate Option Dimensions

| 1J-2 | 1KM-2 | 1N-2 |

1J-2

1-23/32"
[43.7mm]

55/64"
[21.8mm]

3-53/64"
[97.2mm]

1KM-2

19/32"
[15.46mm]

1-15/32"
[37.29mm]

3-1/8"
[79.37mm]

1N-2

3-1/8"
[79.37mm]

2-25/32"
[71mm]