



## Electrified Mortise with Smart Reader-Controller

- Heavy Duty ANSI/BHMA Grade 1 Electrified Mortise lock allows remote keyless access control with the Reader-Controller
- INOX Smart APP is easily integrated for iOS and Android, supporting multi-level user roles and permissions
- Smart control until with BLE/RFID authentication capabilities
- High Frequency RF13.56 MHz Fob, Card or Wristband
- Electrified Mortise lock uses continuous duty solenoids for collar operation

### ISK-B300 SPECIFICATIONS

<b>Keypad</b>	Backlit Digital Touchscreen
<b>Style</b>	Mullion
<b>Frequency</b>	125KHz / 13.56MHz
<b>Input Voltage</b>	12/24 V DC
<b>RF Output</b>	13.56MHz or 125kHz (reader) 26-Bit Wiegand
<b>Read Interface</b>	EM / MIFARE
<b>Read Range</b>	~3/4" to 2-1/2"
<b>Working Current</b>	<80mA (12V) ~<40mA (24V)
<b>Idle Current</b>	<30mA (12V) ~<20mA (24V)
<b>Pin Length</b>	4-8 digits
<b>User Capacity</b>	2000 Total (1000 RF/Passcode + 1000 Mobile)
<b>Working Humidity</b>	0% to 98%
<b>Working Temperature</b>	-20° F to 140° F
<b>Dimension</b>	5-7/8" x 1-3/4" x 7/8" 150mm x 44mm x 22mm
<b>Material</b>	Die Cast Metal

### APPLICATION

The INOX ISK-B300 Smart Keypad is designed for high frequency openings. It seamlessly integrates with any hardwired electrified door hardware. These openings might include: building entry, emergency exit, pool gate, gym, or laundry room.

### FEATURES

- Extended Access Control with Electrified Mortise
- Multi-credential support: Passcodes, RFID FOB/Card/Wristband, and Smart Phone
- Passage Mode: Enjoy free access during scheduled periods
- Privacy Mode: Keep privacy and security when needed
- Modern, water-resistant indoor/outdoor touchscreen keypad with IP66 rating
- Simple Touch-to-Lock Digital Keypad, for secure opening
- Audit trails with 100,000 records shows all Lock and Unlock activities
- Part of the INOX Smart Ecosystem that supports unlimited properties, doors and devices

### ITEM CODE

- **ISK-B300-BK** [Black]
- **ISK-B300-AL** [Aluminum]

Disclaimer: This document is a Product Preview Sheet (PPS) that contains design concepts and specifications in development as a work in progress. INOX reserves the right to modify any and all parts of product design, dimensions, specifications, functions, and proprietary configurations at any time. Updated revisions will be released at INOX's discretion. Please contact Unison Hardware, Inc., to inquire about updated information before specifying and ordering this product.

## FEATURES & FUNCTIONS OF ISK

### Bluetooth Reader with Digital Keypad



- Communicates with smartphone, Wi-Fi gateway or POE gateway through low energy Bluetooth technology
- Supports 1000 mobile credentials per device and 1000 RFID or Passcodes credentials or APP programmable passcodes
- Authorized users can create, edit, or remove three types of passcodes - system-generated, user-defined, or one-time passcodes - from the intuitive INOX Smart APP

### Online and Offline RFID reader



- Supports secure 13.56MHz RFID such as FOB, Cards or Wristband
- Authorized users can add, edit or remove RFID credentials through the INOX Smart App
- Operates offline by storing authorized credentials locally, making it a more robust solution for environments with intermittent network connectivity

### RFID Registration and Enrollment Device



- The ISK-B300 is an RFID registration/enrollment device
- Registers new RFID cards or FOB without requiring additional encoder equipment
- Associates the RFIDs with permissions and customized schedules in a cloud-based database
- Authorized users can remove or edit RFID information on the cloud and devices using INOX Smart APP

### Smart Relay Controller



- The ISK-B300 comes equipped with a built-in SPDT relay that has a programmable hold delay
- It seamlessly integrates with various access control hardware such as electrified mortise locks, cylindrical locks, electrified exit device trim, electric strikes, and maglocks
- The relay hold time is adjustable via the app, ranging from 5 seconds to 5 minutes, which supports ADA accessibility

## FEATURES & FUNCTIONS

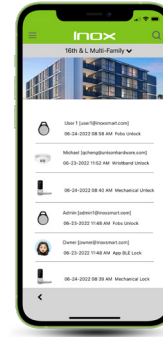
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### Smart Monitoring



- The ISK-B300 features a built-in door positioning sensor (DPS) that detects the door open/close status, and a deadbolt/latch bolt monitoring sensor (DBM) that ensures proper and secure closure
- Real-time monitoring of door status and notifications/alerts for any irregularities or security breaches

### Real-time Audit Trail



- The ISK-B300 tracks and records all access attempts, including mechanical unlocking action
- Records include information about who accessed the area or resource, when, and with which credentials
- Stores up to 1000 records and allows for easy emailing to authorized users

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### Customizable Passage and Privacy Mode

- Passage mode allows free opening and closing of door
- Privacy mode disables external access for enhanced security
- One-time or recurring scheduled access mode for enhanced convenience and strengthen security

### Integrated IAM Tool

- The ISK-B300 has built-in identity and access management (IAM) tools, which enable the implementation of policies for controlling access to physical spaces
- These tools allow for the customization and management of user accounts by assigning permissions with access levels based on user roles
- Tailored to fit specific access control requirement for different properties and market verticals

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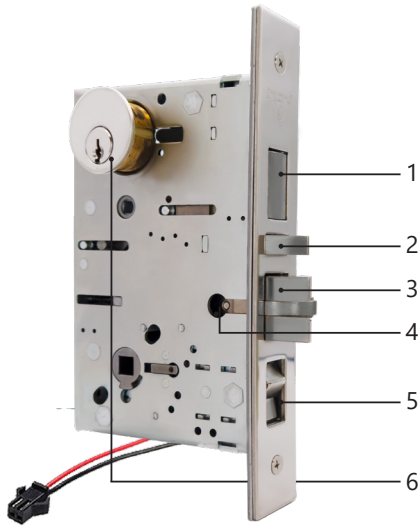
### Modern Mullion style

- Indoor/Outdoor touchscreen with IP66 water resistance
- Water and dust resistant
- Sleek and stylish design
- Modern touchscreen keypad
- Robust casted metal construction
- Molex connector for easy and reliable installation

### INOX Smart: An Integrated and Scalable Access Management System

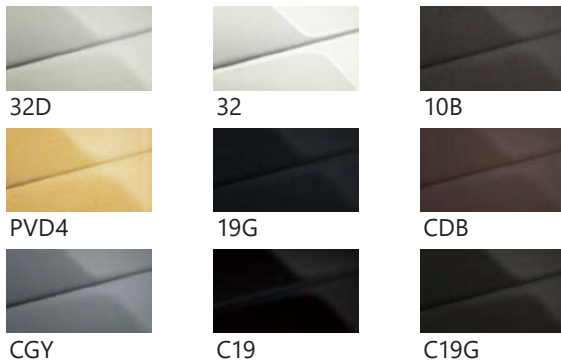
- The ISK-B300 can seamlessly integrate with any electrified locking solutions from mortise locks to exit devices, providing a total access solution for any commercial properties
- The ISK-B300 is part of INOX Smart, a scalable and adaptable system supporting managing access control across multiple properties, devices and users

## HEAVY DUTY MORTISE LOCK



1. 1" throw, heavy duty stainless steel deadbolt
2. Auxiliary latch deadlocks latch bolt when door is closed, providing extra security
3. Guarded, two-piece stainless steel 3/4" latch bolt projection with mechanical anti-friction tongue
4. Field reversible: latch direction can be easily reversed without opening lock case
5. When toggle switch is locked, outside lever is inoperative; when toggle switch is unlocked, outside lever is operative
6. 6-pin solid brass mortise cylinder

## FINISH



## MORTISE SPECIFICATIONS

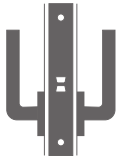
<b>Door Thickness</b>	1-3/4" (44mm) Standard Thick Door Kits available
<b>Backset</b>	2-3/4" (70mm)
<b>Handing</b>	Specify handing from the outside
<b>Lever Spindle</b>	8mm x 8mm square
<b>Thumbturn Spindle</b>	5mm x 5mm square
<b>Center to Center</b>	Lever to Cylinder: 3-7/8" (98mm) Lever to Thumbturn: 2-11/16" (68mm)
<b>Cylinder</b>	Schlage C keyway 6 pin mortise cylinder with 2 keys standard. Optional keyways, keying services, and IC cores available
<b>Deadbolt</b>	1" (25mm) throw in stainless steel
<b>Latchbolt</b>	3/4" (19mm) anti-friction throw
<b>Strike</b>	ANSI stainless steel strike, 4-7/8" x 1-1/4" curved, field reversible
<b>UL</b>	UL listed for 3-hour fire door
<b>Function</b>	EL (Fail Safe) - Electrically Locked EU (Fail Secure) - Electrically Unlocked
<b>Voltage</b>	12V DC or 24V DC
<b>Current</b>	0.3A at 24V DC 0.6A at 12V DC
<b>Temperature</b>	32°F to +120°F

## CODE COMPLIANCE



- ANSI/BHMA A156.13 Grade 1 Mortise Locks
- UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
- UBC Standard 7-2 (1997) NFPA 252
- NFPA 80 National Fire Protection - Fire Door Assembly
- NFPA101 National Fire Protection - Life Safety
- ANSI/BHMA A156.18 Finishes
- ANSI A117.1 ADA Accessibility
- Electrification: ANSI/UL634, ANSI/UL294, ANSI/UL10C

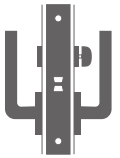
FUNCTIONS



**MC7010 (ANSI: F01)**

**Passage**

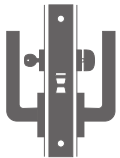
- Latchbolt operated by lever from either side except at all times
- Inside lever is free for immediate egress



**MC7040 (ANSI: F22)**

**Privacy with Coin Turn**

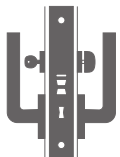
- Latchbolt operated by lever from either side except when outside lever is locked by the inside thumbturn
- Operating inside lever, closing door or operating outside emergency release coin turn unlocks outside lever
- Inside lever is free for immediate egress



**MC7050 (ANSI: F04)**

**Office and Inner Entry**

- Latchbolt operated by lever unless outside lever is locked by key or inside thumbturn
- When outside lever locked, latchbolt can be retracted by outside key or inside lever
- No deadbolt; auxiliary latch deadlock latchbolt closed
- Inside lever is free for immediate egress



**MC7053 (ANSI: F04)**

**Office and Inner Entry with Toggle**

- No deadbolt; latchbolt operated by inside lever or outside key
- Toggle always in locked position unless manually unlocked. Locking or unlocking latchbolt resets toggle to locked position
- When door is locked, auxiliary latch deadlocks latchbolt
- Inside lever is free for immediate egress



**MC7070 (ANSI: F05)**

**Classroom**

- Latchbolt operated by lever from either side expect when outside lever is locked by key
- When outside lever is locked, latchbolt is retracted by key
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is free for immediate egress



**MC7080 (ANSI: F07)**

**Storeroom**

- Latchbolt operated by outside key or by inside lever
- Outside lever is always inoperative
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is free for immediate egress



**MC7438**

**Entrance without Toggle**

- Latchbolt operated by lever from either side
- Deadbolt operated by outside key or thumbturn inside
- Key outside operates both bolts
- Operating inside lever retracts both bolts; outside remains locked
- Latchbolt is deadlocked when outside lever is made inoperative or when the deadbolt is projected
- Auxiliary latch deadlock latchbolt when door is closed
- Inside lever is free for immediate egress



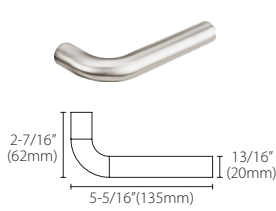
**MC7025 (ANSI: F31)**

**Exit/Communicating**

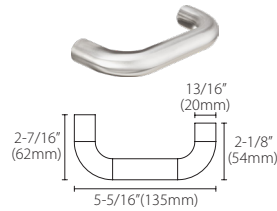
- Latchbolt operated by inside lever
- Blank trim or no outside trim
- Auxiliary latch deadlocks latchbolt when door is closed

# ELECTRIFIED LOCK PAIRED WITH ISK-B300 SMART READER CONTROLLER

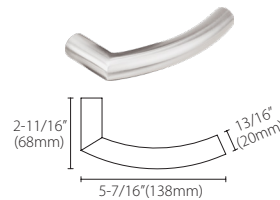
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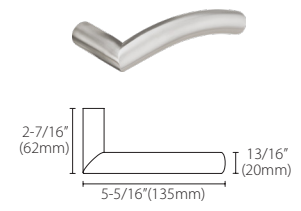
101 Cologne



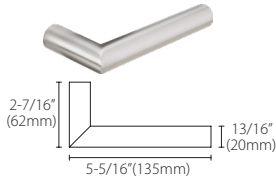
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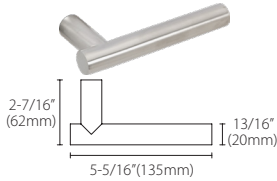
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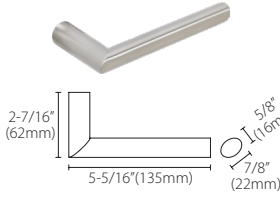
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105 Frankfurt



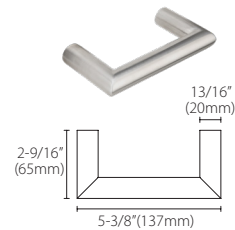
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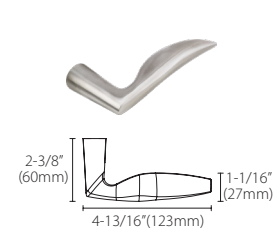
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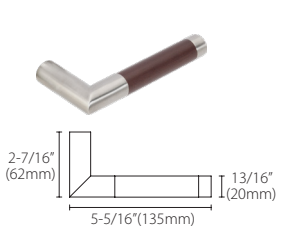
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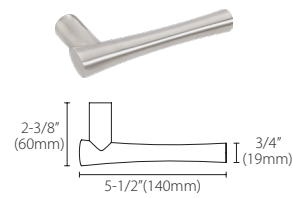
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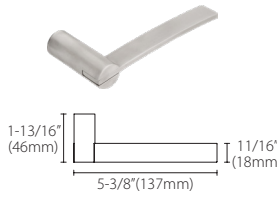
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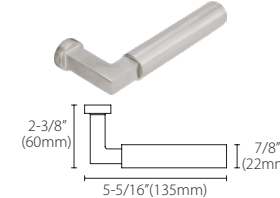
213 Cabernet



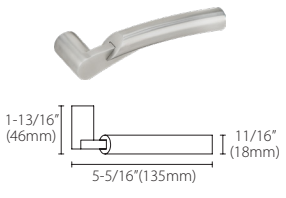
214 Champagne



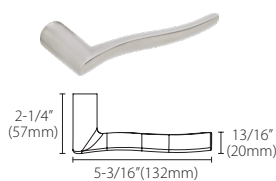
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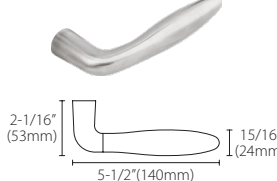
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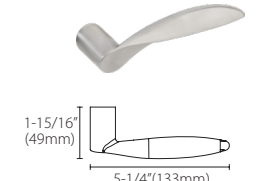
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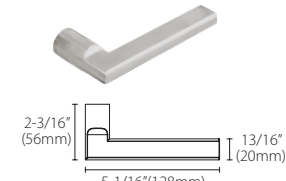
225 Waterfall



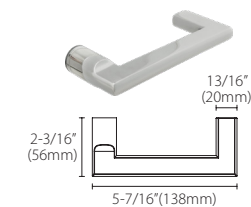
226 Summer



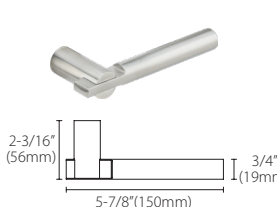
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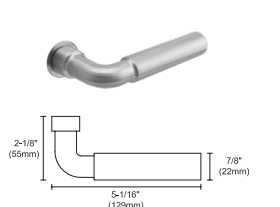
243 Sunrise



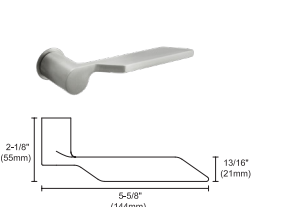
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251 Sequoia



276 Plaza



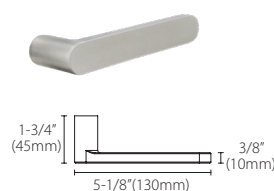
300 Napa

# ELECTRIFIED LOCK PAIRED WITH ISK-B300 SMART READER CONTROLLER

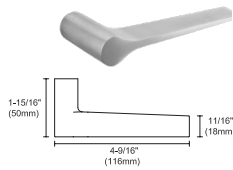
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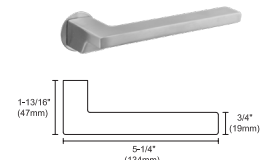
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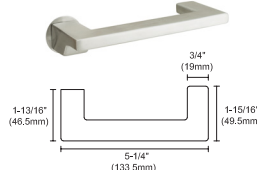
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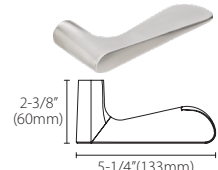
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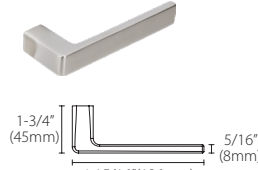
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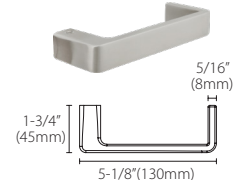
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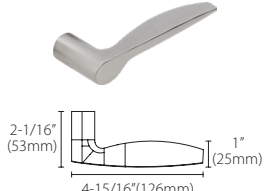
**344 Ecco**



**345 Tokyo**



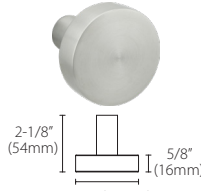
**346 Osaka**



**351 Toronto**

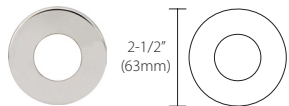


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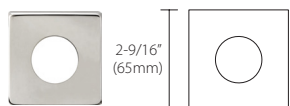


**380 Polaris**

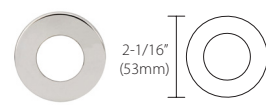
## ROSSETTE AND PLATE OPTIONS



**XRA Rose**



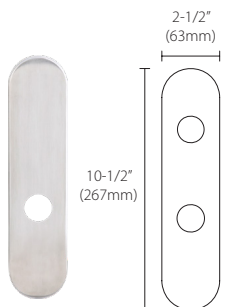
**XSE Rose**



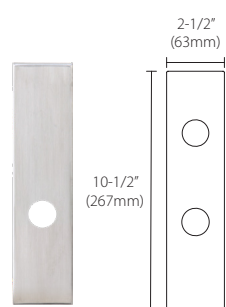
**XGT Rose**



**XGS Rose**



**LA Plate**

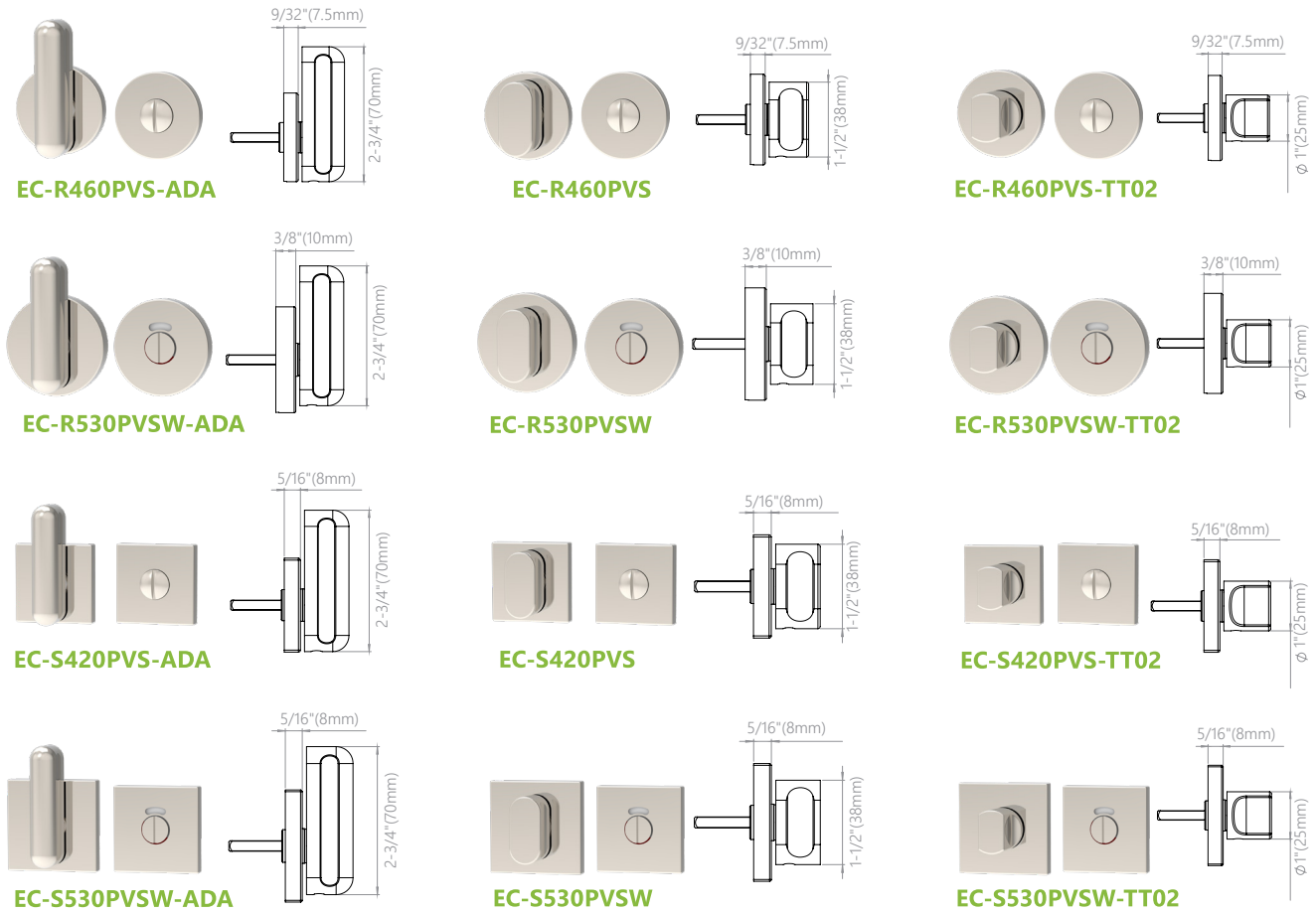


**SF Plate**



# ELECTRIFIED LOCK PAIRED WITH ISK-B300 SMART READER CONTROLLER

## THUMBTURN AND RELEASE OPTIONS



## ELECTRIFICATION OPTIONS

Description	Item No.
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 12V Voltage	<b>SV-MC-EL12V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 24V Voltage	<b>SV-MC-EL24V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 12V Voltage	<b>SV-MC-EU12V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 24V Voltage	<b>SV-MC-EU24V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 12V Voltage with REX Switch	<b>SV-MC-EL12V-REX</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 24V Voltage with REX Switch	<b>SV-MC-EL24V-REX</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 12V Voltage with REX Switch	<b>SV-MC-EU12V-REX</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 24V Voltage with REX Switch	<b>SV-MC-EU24V-REX</b>

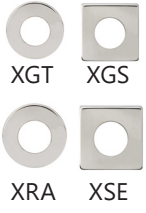
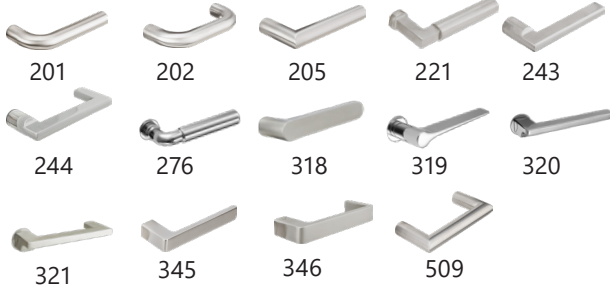
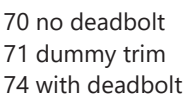
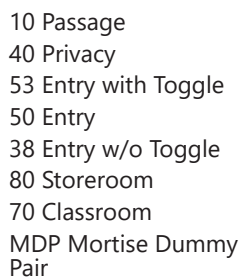
Add service code and upcharge price as a separate line item to order electrified locking (EL) locks. In case of power outage, EL locks are Fail Safe and EU locks are Fail Secure.



# ELECTRIFIED LOCK PAIRED WITH ISK-B300 SMART READER CONTROLLER

## HOW TO ORDER

To order locksets, please describe the additional requirements in the same sequence as below. Parts or service upcharges may apply.

Rose	Lever	Lock	Function	Cylinder	Thumbturn	Finish	Handing
<b>XGT</b>	<b>243</b>	<b>MC70</b>	<b>50</b>			<b>-32D</b>	<b>-LH</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>ROSE</b>	<b>LEVER</b>	<b>LOCK</b>	<b>FUNCTION</b>				
 XGT XGS XRA XSE	 201 202 205 221 243 244 276 318 319 320 321 345 346 509	 70 no deadbolt 71 dummy trim 74 with deadbolt	 10 Passage 40 Privacy 53 Entry with Toggle 50 Entry 38 Entry w/o Toggle 80 Storeroom 70 Classroom MDP Mortise Dummy Pair				

### 5 CYLINDER AND HOUSING (INCLUDES COLLAR)

LC = Less Cylinder



Blank = Standard Mortise 1-1/4" Cylinder



-S6 = Small Format Interchangeable Cylinder (SFIC) Housing 1-1/4", 6-Pin, Less Core, L Clover Cam

-S7 = Small Format Interchangeable Cylinder (SFIC) Housing 1-3/8", 7-Pin, Less Core, L Clover Cam

-L6 = Large Format Interchangeable Cylinder (LFIC) Housing 1-1/2", 6-Pin, Less Core, L Clover Cam



Order IC Cores and Thick Door Kits (TDKs) separately

### 6 THUMBTURN



GR02  
GT02  
GS02  
SR02



Blank = GR04  
GT04  
GS04  
SR04



GR07  
GT07  
GS07  
SR07



### 7 FINISH

Standard:



-32D



-C19G



-C19



-CGY



-CDB



-32



-PVD4



-19G

PVD4 is available for 205, 221, 243, 244, 276, 318, 319, 320, 321, 345, 346 and 509 lever designs.

### 8 HANDING

-RH = Right Hand

-LH = Left Hand























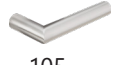












-RHR = Right Hand Reverse

-LHR = Left Hand Reverse

# ELECTRIFIED LOCK PAIRED WITH ISK-B300 SMART READER CONTROLLER

## HOW TO ORDER

To order locksets, please describe the additional requirements in the same sequence as below. Parts or service upcharges may apply.

Rose	Lever	Lock	Function	Cylinder	Thumbturn	Indicator	Finish	Handing	
<b>LA</b>	<b>243</b>	<b>MC70</b>	<b>50</b>				<b>-32D</b>	<b>-LH</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	
<b>ROSE</b>	<b>LEVER</b>	<b>LOCK</b>				<b>FUNCTION</b>			
 LA SF	 101  106  211  223  311  318	 102  107  213  225  319	 103  108  214  226  320	 104  109  217  227  321	 105  210  221  243  344	<b>70 No Deadbolt</b> <b>71 Dummy Trim</b> <b>74 With Deadbolt</b>  244  345	 251  346	 276  300  351  380	

### 5 CYLINDER AND HOUSING (INCLUDES COLLAR)

LC = Less Cylinder



Blank = Standard Mortise 1-1/4" Cylinder



-S6 = Small Format Interchangeable Cylinder (SFIC) Housing 1-1/4", 6-Pin, Less Core, L Clover Cam

-S7 = Small Format Interchangeable Cylinder (SFIC) Housing 1-3/8", 7-Pin, Less Core, L Clover Cam

-L6 = Large Format Interchangeable Cylinder (LFIC) Housing 1-1/2", 6-Pin, Less Core, L Clover Cam



Order IC Cores and Thick Door Kits (TDKs) separately

### 6 THUMBTURN



TT02



Blank=TT04



TT07

### 8 FINISH

Standard:



-32D



-C19G



-C19



-CGY



-CDB



-32



-PVD4



-10B



-19G



-SP

PVD4 is available for 105, 108, 221, 243, 244, 276, 318, 319, 320 and 345 lever designs.

### 9 HANDING

-RH = Right Hand

-LH = Left Hand

-RHR = Right Hand Reverse

-LHR = Left Hand Reverse