

# KeyInCode Electronic Lock Series

## DATA SHEET



4500



5500:  
Grade 2



6500:  
Grade 1



# Overview

The OpenEdge series of smart locks are ideal for office, retail, warehouse, vacation rental and multi-family environments. The line is designed to accommodate a variety of doors within these environments, including main doors, suite and unit entries, conference rooms, common area doors and IT closets. The series, including BHMA grade 1 and 2, as well as a grade 3 equivalent, is designed to accommodate everything from light-traffic closets to the most heavily trafficked common and exterior doors.



OpenEdge locks utilize built-in Wi-Fi to connect directly to the internet via existing Wi-Fi networks, allowing property owners to affordably extend access control deeper into buildings beyond traditional wired exterior doors. Managed via RemoteLock's cloud-based software and mobile app, locks can be configured wirelessly to adjust lock settings, manage users, view history, receive alerts and more.

OpenEdge locks are built for flexibility, accepting multiple credential types including PINs, temporary guest PINs, ReadyPINs (Algorithmic), MIFARE smart cards and BLE mobile credentials (coming soon). OpenEdge supports remote access control in both online and offline environments. For environments where internet access is not available or reliable, ReadyPINs can be utilized to provide temporary access to guests.

The OpenEdge series conveniently offers the exact same functional specifications across all locks for consistency and ease of use. The locks are easy to install and simple to manage through the RemoteLock web and mobile apps.

## Features and Benefits

- ✓ Works with RemoteLock cloud management software and ACS wired solutions for whole building access management and control from anywhere
- ✓ Enables periodic updates from web-hosted applications via built-in Wi-Fi
- ✓ Allows for remote monitoring & control from anywhere via web browser or mobile app
- ✓ Supports multiple credential types including PINs, Temporary Guest PINs, ReadyPINs (Algorithmic), MIFARE Classic Cards & Mobile
- ✓ Features uninterrupted, door-access usage—lock retains all programming and data even in the event of power outage or router offline
- ✓ Supports passage mode, auto-lock mode and passage schedules
- ✓ Is easy to install, connect, manage and use
- ✓ Features weather-resistant design for use on perimeter doors
- ✓ Allows for setting of notifications for user entry and alerts for unexpected issues
- ✓ Offers secure bi-directional encryption



## Works with RemoteLock

- Eliminates costs of on-site personnel or expensive servers/panels
- Works with many of the most popular brands of locks
- Accommodates any type of door--hard-wired access control and smart locks, too
- Integrates with popular booking platforms and property management software
- Offers one centralized platform for many operational technologies
- Is scalable, easy-to-use and future-proof

# Series Functional Specifications

Users (PINs & Cards)	Up to 3500
Audits	Continuously updated and stored in RemoteLock cloud. Up to 1,000 events stored on lock if offline.
Visual Communications	LED (Green & Red)
Audible Communications	<ul style="list-style-type: none"> <li>Audible Indicator on keypress (mute option available)</li> <li>Low-battery warning indicator after unlock</li> </ul>
Passage Modes	Passage Mode and Auto-Lock Mode
Schedules	<ul style="list-style-type: none"> <li>Lock Schedule (lock/unlock weekly schedule)</li> <li>Up to 40 Access Schedules (M-F, 9-5)</li> <li>Up to 20 Access Exception/Holiday schedules</li> <li>Passage Mode Schedules (alter between passage and auto-lock)</li> </ul>
Programming	Via keypad or wirelessly via the RemoteLock App
Battery Life	<ul style="list-style-type: none"> <li>Uses 4 AA batteries</li> <li>Up to 18 months</li> </ul>
Lockout	Defaulted to 5 incorrect entries, field configurable
WiFi	WiFi radio nominal power of 16.5dbm with an approximate range of 100 feet unobstructed
Connection Interval	Intermittent WiFi connectivity defaults to every hour and when keypad pressed. Connection interval can be adjusted between every 5 minutes to 1x per day. Always on connection possible with optional external power supply expansion board.
Communication Standards	<ul style="list-style-type: none"> <li>2.4 GHz WiFi (IEEE 802.11 b/g/n)</li> <li>WPA, WPA2</li> <li>HTTPS encrypted with TLS</li> <li>UDP channel with AES-128 encryption</li> </ul>
Communication Ports	53, 80, 443, 55055, 55056 *Some firewall settings will also need to whitelist the lock's Mac Address
Operating Temperature	-31°F (-35°C) to 151°F (66°C)
Additional Functionality via Expansion Card	External power supply input (12-24V), Auxiliary inputs for external control panels & triggers to unlock.

## Smart Reader Specifications

Credential Technology	SmartCard (13.56 MHZ)
Standards	ISO standard 14443
Maximum Range	Up to .75"
Smart Credential Compatibility	Secure sector compatibility: Kore26 CSN only compatibility: MiFare Classic, DESFire, MIFARE, MIFARE DESFire EV1

### Credential/ Access Options



#### PIN CODES

(4-10 digits, mixed length accepted)



#### REMOTE LOCK/ UNLOCK VIA APP



#### READY PIN (ALGORITHMIC)



#### SMARTCARD



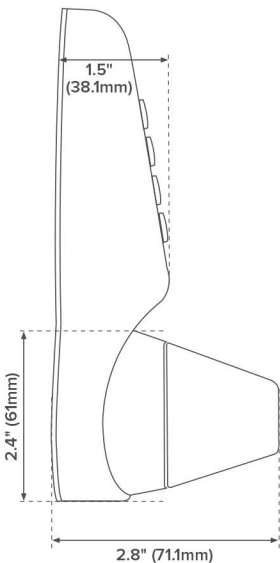
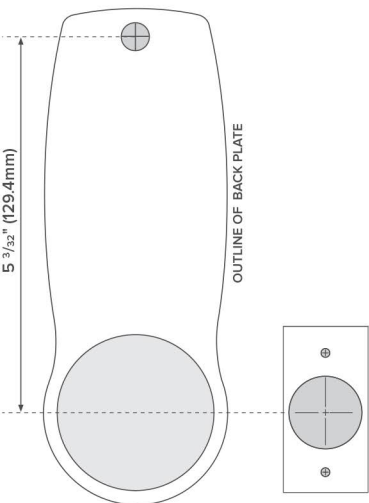
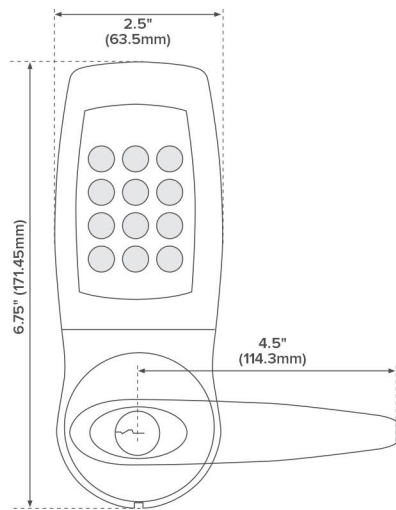
#### MOBILE CREDENTIALS (coming Q1 2022)



#### KEY OVERRIDE

# 4500 SERIES

## Mechanical Specifications

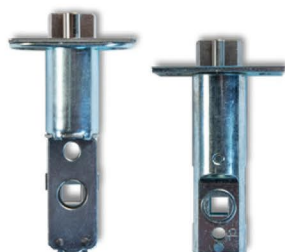


<b>Environment:</b>	Lighter duty, internal use or protected external use
<b>Exterior Dimensions:</b>	6 3/4 (H) x 2 1/2 (W) x 2 3/4 (D) in.
<b>Interior Dimensions:</b>	6 3/4 (H) x 2 1/2 (W) x 2 3/4 (D) in.
<b>Weight:</b>	5.75 lbs.
<b>Backset:</b>	2 3/8 in. (60mm) and 2 3/4 in. (70mm) supplied
<b>Locking Devices:</b>	Tubular latch included, Mortise latch available
<b>Mortise Door Prep:</b>	Standard ANSI 115.1 Mortise prep (86 cutout), modified with added through-bolt holes.
<b>Tubular Latch Door Prep:</b>	Standard ANSI A115.2 (160 and 161 cutouts)
<b>Strike:</b>	2 3/4" (for 1 3/8" door) and 4 7/8" (for 1 3/4" door) supplied
<b>Construction:</b>	Zinc Alloy with PVD (Physical Vapor Deposition) finish
<b>Door Thickness:</b>	1 3/8 – 2 3/8 in. (35mm – 60mm)
<b>Door Handling:</b>	Non-handed, field reversible
<b>Batteries:</b>	AA (Not Included)
<b>Warranty:</b>	2 years mechanical, 1 year electrical
<b>Finishes:</b>	Satin Chrome
<b>Cylinder and Keys:</b>	Removable 5-pin Schlage C (SC1 key)
<b>Cylinder and Keys:</b>	Removable 6-pin Schlage C core standard (SC4 key), SFIC core available



## Locking Device Options

### TUBULAR



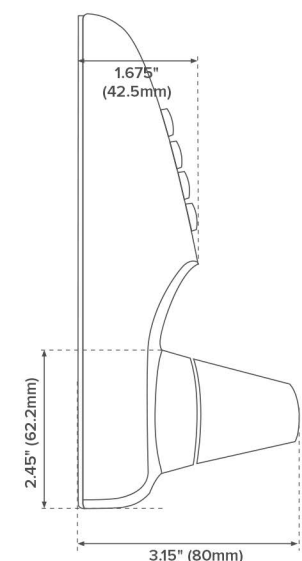
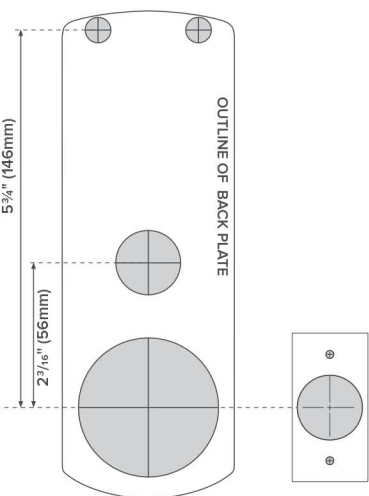
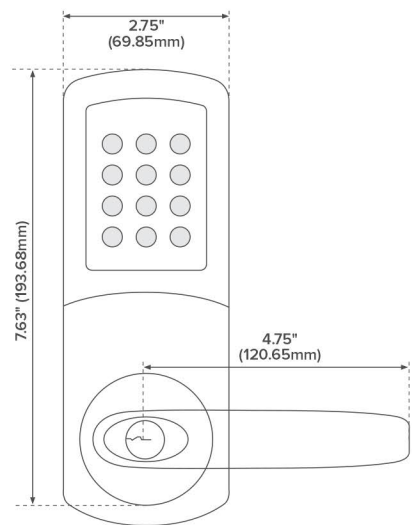
2 3/8" (60mm) and  
2 3/4" (70mm) latch

### MORTISE

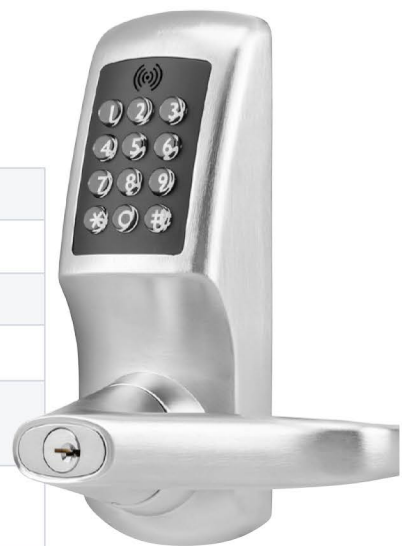


# 5500 SERIES

## Mechanical Specifications



<b>Environment:</b>	For normal internal and external use
<b>Exterior Dimensions:</b>	7 5/8 (H) x 2 3/4 (W) x 2 3/4 (D) in.
<b>Interior Dimensions:</b>	7 5/8 (H) x 2 3/4 (W) x 2 3/4 (D) in.
<b>Weight:</b>	7.90 lbs.
<b>Backset:</b>	2 3/8 in. (60mm) and 2 3/4 in. (70mm) supplied
<b>Locking Devices:</b>	Available with cylindrical, exit trim, and mortise options
<b>Mortise Door Prep:</b>	Standard ANSI 115.1 Mortise prep (86 cutout), modified with added through-bolt holes.
<b>Tubular Latch Door Prep:</b>	Standard ANSI A115.2 (160 and 161 cutouts)
<b>Strike:</b>	2 3/4" (for 1 3/8" door) and 4 7/8" (for 1 3/4" door) supplied
<b>Construction:</b>	Zinc Alloy, suitable for indoor & outdoor use
<b>Door Thickness:</b>	1 3/8 – 2 3/8 in. (35mm – 60mm)
<b>Door Handing:</b>	Non-handed, field reversible
<b>Batteries:</b>	4 AA (Not Included)
<b>Certifications:</b>	ANSI/BHMA A156.25-2018, Grade 2, ANSI/BHMA A156.2-2017
<b>Warranty:</b>	2 years mechanical, 1 year electrical
<b>Finishes:</b>	Satin Chrome, Matte Black
<b>Cylinder and Keys:</b>	Removable 6-pin Schlage C core standard (SC4 key), SFIC core available



## Locking Device Options

### TUBULAR



2 3/8" (60mm) and  
2 3/4" (70mm) latch

### MORTISE

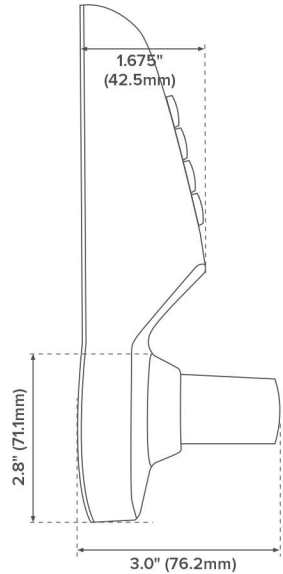
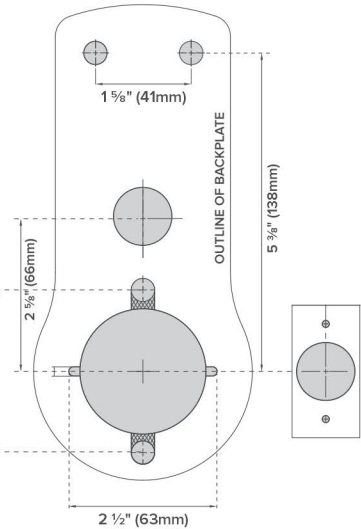
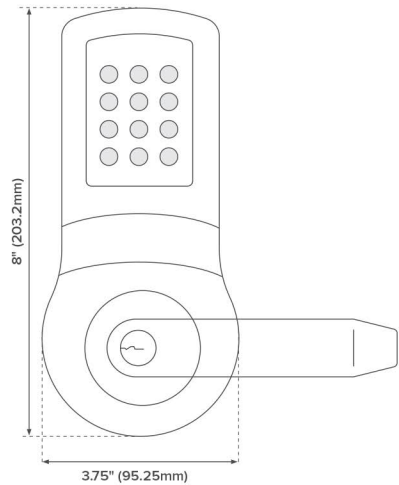


### EXIT BAR CONTROL



# 6500 SERIES

## Mechanical Specifications

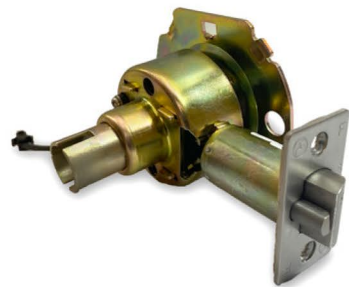


Environment:	For high traffic applications, internal and external use
Exterior Dimensions:	8 (H) x 3 3/4 (W) x 3 (D) in.
Interior Dimensions:	8 (H) x 3 3/4 (W) x 3 (D) in.
Weight:	7.85 lbs.
Backset:	2 3/4 in. (70mm)
Locking Devices:	Cylindrical retractor
Latch Door Prep:	Standard ANSI A115.2 (160 and 161 cutouts)
Strike:	2 3/4" (for 1 3/8" door) and 4 7/8" (for 1 3/4" door) supplied
Construction:	Zinc Alloy, suitable for indoor & outdoor use
Door Thickness:	1 3/8 – 1 7/8 in. (35mm - 48mm)
Door Handling:	Non-handed, field reversible
Batteries:	4 AA (Not Included)
Certifications:	ANSI/BHMA A156.25-2018, Grade 1, ANSI/BHMA A156.2-2017
Warranty:	2 years mechanical, 1 year electrical
Finishes:	Satin Chrome, Matte Black
Cylinder and Keys:	Removable 6-pin Schlage C core included (SC4 key), SFIC core available



### Locking Device Options

#### CYLINDRICAL



# How to Order

## Model Number Configuration

**5560-W-IC-626**

1. Lock Series		2. Locking Device		3. Technology Options		4. Cylinder Options		5. Finish	
<b>4500</b>	Light Duty Series	<b>10</b>	Tubular Latch	<b>W</b>	WiFi & SmartCard Reader	<b>-</b>	Removable Core (Standard)	<b>626</b>	Satin Chrome
<b>5500</b>	BHMA Grade 2 Series	<b>50</b>	US Mortise Lock	<b>WB</b>	WiFi, SmartCard Reader & BLE	<b>IC</b>	SFIC	<b>676</b>	Matte Black
<b>6500</b>	BHMA Grade 1 Series	<b>60</b>	Exit Device			<b>LC</b>	LFIC		

## ADDITIONAL OPTIONS

### Standard Removable Cores

					
Compatible cylinder	KIC-STDKIK-5-626	KIC-STDKIK-6-626	KIC-STDKIKGRI-626	KIC-BA6KIK-626	KIC-ME6KIK-626
Compatible Locks	4500	5500	6500	5500, 6500	5500
Description	5-pin C Keyway (comes standard with lock)	6-pin C keyway (comes standard with lock)	6-pin C keyway	6-Pin Restricted Keyway to prevent key duplication	6-pin High Security Cylinder for physical protection & key duplication prevention
Key Blank	SC1	SC4	SC4	Factory Restricted	Medeco Restricted

### Interchangeable Cores

				
Compatible cylinder	KIC-6PIN-SFIC-KWY	KIC-7PIN-SFIC-KWY	KIC-SFICX4-626	KIC-SCLFIC-626
Compatible Locks	5500, 6500	5500, 6500	5500, 6500	6500
Description	6-pin Small Format IC	7-pin Small Format IC	7-pin Medeco X4 Small Format IC	6-pin Large Format IC
Key Blank	KWY-1C, 1D, A, B, C, D, E, F, G, H, J, K, L, M, Q, R, DD, TB, TC, TD, TE, WA, WB, WC, WD, WG, WH	KWY-1C, 1D, A, B, C, D, E, F, G, H, J, K, L, M, Q, R, DD, TB, TC, TD, TE, WA, WB, WC, WD, WG, WH	Medeco Restricted	SC4

## Exit Bar (5500 SERIES ONLY)

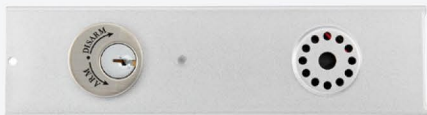
**Model: PK5000**



- ✓ Universal mount for use in institutions, schools, universities, and commercial buildings or where reliable operation is needed
- ✓ ANSI A156.3, Grade 1 exit device for surface mount rims
- ✓ UL Listed for Fire Exit Hardware 3 Hours
- ✓ Heavy gauge steel rail assemblies, stamped steel chassis with multiple mounting holes for easy installation
- ✓ Full size chassis of non-ferrous cast and steel construction with design allowing for through-bolt of trim.
- ✓ Non-handed for use on right or left opening doors
- ✓ Includes complete installation kit; latch-bolt strike, shims, fasteners, strike plates, mounting templates and easy instructions
- ✓ Fits 25" to 36" door (42" bar available) — may be used on 48" door
- ✓ For doors 1 3/4" – 2 1/4" thick with a 3 3/4" minimum stile

## Exit Bar Alarm Kit

**Model: KIC-5500-EAK SS**



- ✓ Exit Alarm Kit for KIC5000 Series Exit Device
- ✓ Alarm Sounds when bar is pressed if armed
- ✓ Armed and disarmed by 1 1/8" mortise key cylinder Schlage C 6-pin
- ✓ SFIC Housing available with or without core

## 5" Backset Kit

**Model: KIC-5500-5BK**



**INCLUDES:** 2 3/4" latch, extension link, stainless steel sleeve and cylindrical cartridge.

## Expansion Board

**Model: OE-Exp**

The expansion board can be added to any of the 4500, 5500 and 6500 series locks for expanded capabilities and inputs.

- ① Direct Power Supply (12–24V)
- ② Auxiliary Input 1 for connection with external control panels for passage mode unlock
- ③ Auxiliary Input 2 for temporary unlock trigger

### TERMINAL IDENTIFICATION

POWER- vdc	DC Input Voltage 12-24V / Maximum current draw 500mA
POWER - Gnd	Common negative (-) output (ground)
RELAY	Max switching Voltage 125 VAC, 60VDC / Max switching Current 1A / Min permissible load 1mA at 5VDC / Rated load 0.3 A at 125 VAC, 1 A at 24 VDC / Carry Current 1A
AUX1 - +ve	This is a configurable input terminal (NO/NC) designed to connect to the outputs of an external control panel. When triggered, the door will unlock and the ability to lock the door will be disabled until the circuit is reversed.
AUX1 - Gnd	Common negative (-) output (ground)
AUX2 - +ve	Unlock (Temporary Unlock — Will re-lock according to auto-lock timer)*
AUX2 - Gnd	Normally open contact. Requiring a momentary closed contact to activate.

