KEY CODE

Wi-Fi Lock Series
DATA SHEET

BHMA CERTIFIED®

4500

**5500:
Grade 2**

**5500:
Grade 2**

To learn more about our software
and these locks, contact us:

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Overview

The KeyInCode 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 apartments, common areas, offices, etc.

4500 SERIES   **5500 SERIES**   **5500 SERIES**
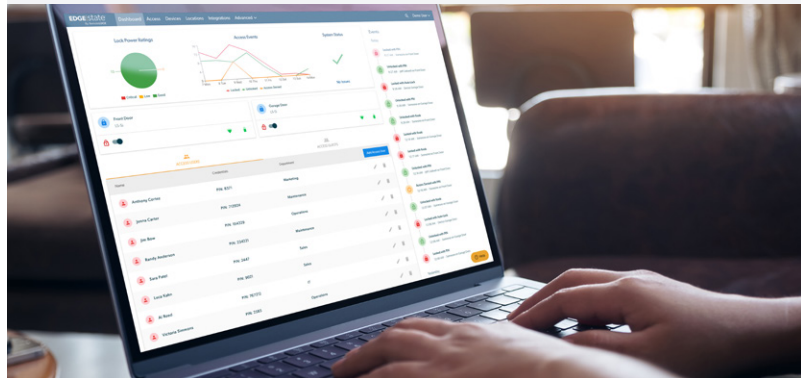
KeyInCode locks utilize built-in Wi-Fi to connect directly to the internet via existing Wi-Fi networks, allowing property owners to affordably extend access control deeper into buildings beyond traditional wired exterior doors. Managed via RemoteLock's cloud-based software and mobile app, locks can be configured wirelessly to adjust lock settings, manage users, view history, receive alerts and more.

KeyInCode 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). KeyInCode 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 KeyInCode 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-based, access-control software for whole building access 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 Access-Control Software

- Eliminates costs of on-site personnel or expensive servers
- Works with many of the most popular brands of locks
- Offers one platform to manage all doors—hard-wired and smart locks, too
- Integrates with popular booking platforms and property management software
- 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	• Audible Indicator on keypress (mute option available) • Low-battery warning indicator after unlock
Passage Modes	Passage Mode and Auto-Lock Mode
Schedules	• Lock Schedule (lock/unlock weekly schedule) • Up to 40 Access Schedules (M-F, 9-5) • Up to 20 Access Exception/Holiday schedules • Passage Mode Schedules (alter between passage and auto-lock)
Programming	Via keypad or wirelessly via the RemoteLock App
Battery Life	• Uses 4 AA batteries • Up to 18 months
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 every 12 hours. Always on connection possible with optional external power supply expansion board.
Communication Standards	• 2.4 GHz WiFi (IEEE 802.11 b/g/n) • WPA, WPA2 • HTTPS encrypted with TLS • UDP channel with AES-128 encryption
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

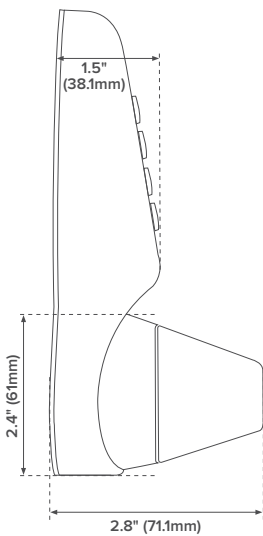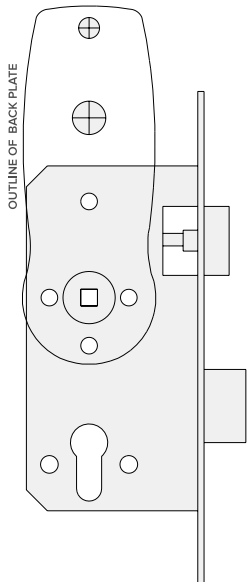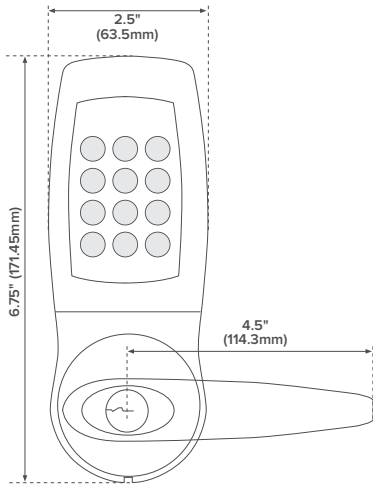**READY PIN (ALGORITHMIC)**

SMARTCARD

MOBILE CREDENTIALS
(coming Q1 2022)

KEY OVERRIDE

4500 SERIES
Mechanical Specifications

2.5" (63.5mm)
6.75" (171.45mm)
4.5" (114.3mm)

OUTLINE OF BACK PLATE

1.5" (38.1mm)
2.4" (61mm)
2.8" (71.1mm)

Environment:	Lighter duty, internal use or protected external use
Exterior Dimensions:	17cm x 6.5cm x 7cm
Interior Dimensions:	17cm x 6.5cm x 7cm
Weight:	2.6kg
Backset:	55mm and 60mm supplied
Locking Devices:	Mortice latch included, Tubular latch available
Mortise Door Prep:	Euro Din Mortice with euro cylinder
Tubular Latch Door Prep:	Standard ANSI A115.2 (160 and 161 cutouts)
Strike:	Strike plate included
Construction:	Zinc Alloy with PVD (Physical Vapor Deposition) finish
Door Thickness:	35mm – 60mm
Door Handing:	Non-handed, field reversible
Batteries:	AA (Not Included)
Warranty:	1 year
Finishes:	Satin Chrome
Cylinder and Keys:	Removable 5-pin Schlage C (SC1 key)

Locking Device Options

EURO DIN MORTICE

55mm and
60mm backset
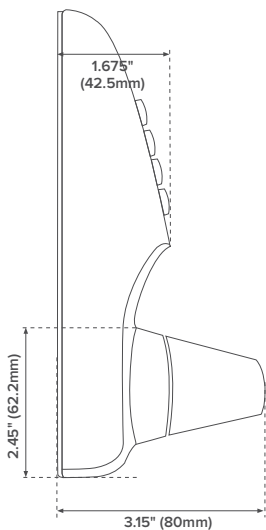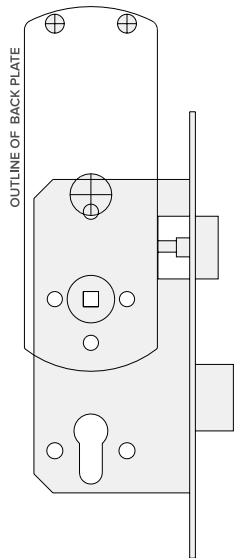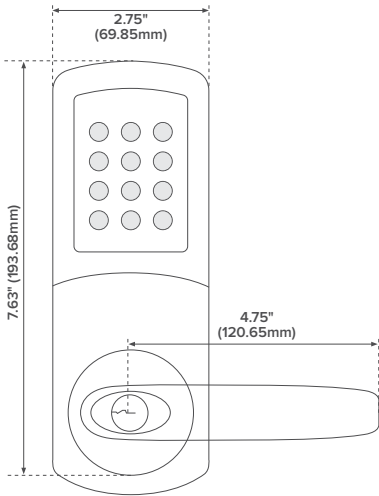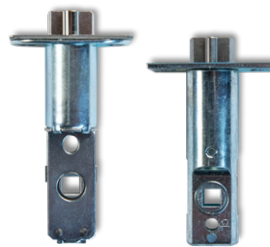
TUBULAR

60mm and
70mm backset

SLAM MULTI-POINT

55mm Winkhaus AV2,
Maco A-TS, Fuhr 833
& GU Secury Auto

5500 SERIES
Mechanical Specifications

2.75"
(69.85mm)

7.63" (193.68mm)

4.75"
(120.65mm)

OUTLINE OF BACK PLATE

1.675"
(42.5mm)

2.45" (62.2mm)

3.15" (80mm)

Environment:	For normal internal and external use
Exterior Dimensions:	19cm x 7cm x 7cm
Interior Dimensions:	19cm x 7cm x 7cm
Weight:	3.6kg
Backset:	55mm and 60mm supplied
Locking Devices:	Euro Din Mortice or tubular latch
Mortise Door Prep:	Euro Din Mortice with euro cylinder
Tubular Latch Door Prep:	Standard ANSI A115.2 (160 and 161 cutouts)
Strike:	Strike plate included
Construction:	Zinc Alloy, suitable for indoor & outdoor use
Door Thickness:	35mm – 60mm
Door Handing:	Non-handed, field reversible
Batteries:	4 AA (Not Included)
Certifications:	ANSI/BHMA A156.25-2018, Grade 2, ANSI/BHMA A156.2-2017
Warranty:	1 year
Finishes:	Satin Chrome, Matte Black
Cylinder and Keys:	Removable 6-pin Schlage C core standard (SC4 key)

Locking Device Options

EURO DIN MORTICE	TUBULAR	SLAM MULTI-POINT
55mm and 60mm backset	60mm and 70mm backset	55mm Winkhaus AV2, Maco A-TS, Fuhr 833 & GU Secury Auto

How to Order

1. Lock Series		2. Locking Device		3. Technology Options		4. Finish	
4500	Light Duty Series	**10**	Tubular Latch *(4500 & 5500)*	**W**	WiFi *(4500 Only)*	**626**	Satin Chrome
5500	BHMA Grade 2 Series	**50**	Euro DIN Mortice	**WS**	WiFi & Smart Card	**676**	Matte Black *(5500 Only)*
				WSB	WiFi, Smart Card & Bluetooth		

OPTIONAL EXTRAS

Accessories

KEYED EURO CYLINDERS

Key/Key
Key/Thumbturn
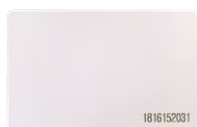
ESCUTCHEONS

Stainless steel, self adhesive

STAINLESS STEEL COVER PLATES

Cover any existing holes in the door.

MiFare Classic Cards, Fobs & Tags

MIFARE Classic 1K RFID, 13.56MHz ISO 14443A. Card numbers stored in secure sector.

PRINTABLE CARD
Model: ACS-MC

STICKY TAG
Model: ACS-MCST

KEY FOB
Model: ACS-MK

Expansion Board

Model: KIC-OE-EXP

The expansion board can be added to any of the 4500 and 5500 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.