

Cortex™ Digital Door Lock



We take the worry out of
protecting what's valuable to you.
Lockwood: *no worries*®

Cortex™ Digital Door Lock



ASSA ABLOY's Lockwood Cortex™ is leading the evolution of Digital Door Locks. Cortex™ is a commercial grade Digital Lockset that offers a standalone electronic access solution that can also be easily integrated to existing systems.

Innovative locking coupled with the durability and quality that is synonymous with the Lockwood brand, certifies Cortex™ as the premium choice for intelligent locking.

Moreover, Cortex™ is the first Australian digital lockset to be fire rated for 530 latch and Lockwood mortice variants and always has free egress from the inside.

The Lockwood Cortex™ features ultra-smooth lever action provided by the ergonomic Lever: 77A. Designed to be compliant with the Australian disabled door Act, the Cortex™ has undergone severe vandal testing and has a strength rating of up to SL8.

Product Details

	CTX530	CTX3772	CTX5782
Finish	SC	SC	SC
Backset	60mm	60mm	30mm
Lever	77A	77A	77A
Door Thickness	35-48mm	35-48mm	35-48mm
Body Material	Zinc Alloy	Zinc Alloy	Zinc Alloy
Override Cylinder	No	Yes	Yes
Retro Fit	DX530	DX3572	DX5582

Standards and Compliance



Successfully tested up to 2 hours on fire door assemblies in accordance with Australian Standard AS1905.1 2005 - Part 1: Fire Resistant Doorsets.

SL8

(Security) Australian Lock Standard (AS4145.2:1993).

DL8

(Durability) Australian Lock Standard (AS4145.2:1993).



Australian Electrical Regulatory Compliance



European Electric Compliance

Cortex™ Digital Door Lock

Features & Specifications

- Easy Mode or Advance Mode function
- Up to 40,000 operations battery life (Card)
- Add/delete individual users with Master Code
- 40 Card users and 20 Pin Code users
- Cryptic Code Function
- Lockset includes 2 Access Cards (can add up to 40)
- Timed Passage Mode allows users to keep door unlocked or locked for certain parts of the day
- Dual Security Credential requires that two users are present to unlock the door. One user will have Pin Code and the other user will have the Card
- Delayed Unlocked State allows the user extra time to open the door - ideal for elderly or disabled
- Time & Date function allows preference for various Time & Date based features. This has full calendar support including leap year etc.
- Visitor Code allows a Pin Code to be programmed for a certain date period
- One Time Pin is designed to be used once and then automatically expires
- Battery check function allows users to check the battery level to understand when a battery replacement is required
- Dual Card format allows compatibility of 90% of the world's access control systems. If your existing access control uses Mifare or iClass it can be programmed into Cortex™ with no effect to your existing system
- Smart Battery low detection feature
- Passage Mode allows the users to toggle between standard and passage mode as required

Electronic Technical Information

Battery Type	4 x AA Alkaline
RFID Format	iClass & Mifare
Card Read Range	<2cm
Battery Lifetime Card	40,000*
Battery Lifetime Keypad	18,000**
Operating Temperature	-10°C to 65°C
Humidity	>85% Non condensating
Approvals	RCM, CE
Battery Emergency Pins	Yes

Electronic Features

Pin Code Users	20
Card Users	40
Dual Credentials	✓
Set Date & Time	✓
Visitor Code	✓
Passage Mode	✓
Time based Passage Mode	✓
Battery% Check	✓
Smart Battery Low Check	✓
Volume Setting	On / Off
Wrong Code Lock out	1 User
One Time Pin	1 User
Extended Timed User	1 User

* Estimate over a 12-18 month period

** 6 second unlock cycle time

Cortex™ Digital Door Lock

Cortex Technology

Cortex™ is powered by a fast, yet ultra-low power ARM CORTEX-M3 core processor. Compared to other digital locks on the market, Cortex™ offers a 20 per cent reduction in standby power consumption and 50 per cent reduction on operational usage. One set of batteries may give you up to 40,000 operations using the key card entry method.

The ultra-durable touch screen is embedded with touch sensors giving you real-time feedback in the form of subtle audible tones. These capacitive touch buttons have no moving parts so they can't wear to reveal your secret PIN.

Underneath each button is an ultra-bright LED, ideal for high and low light conditions.

And finally on top of all this, lies a highly sensitive card reader for the users that prefer a fast access method- with a high security key card credential. The card reader functions on the high security iClass card format or the ever popular Mifare format.

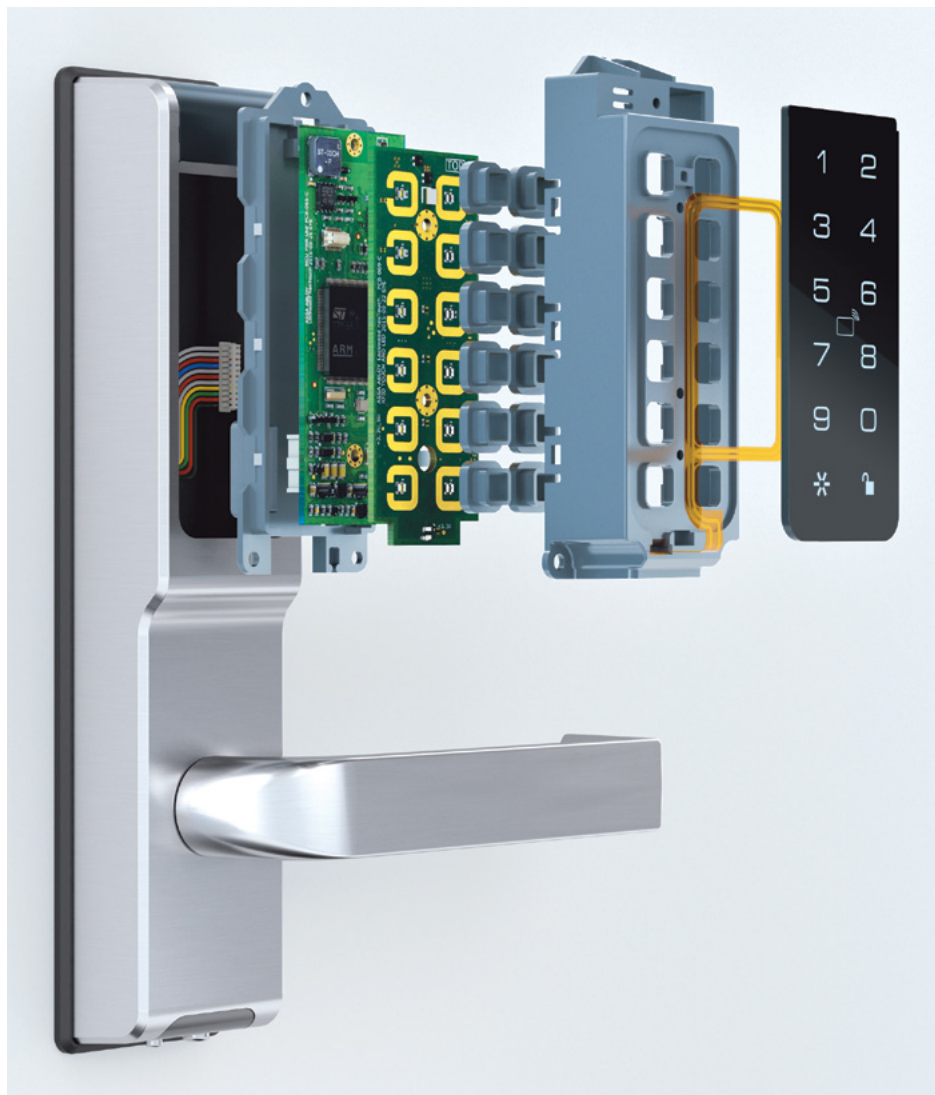
Cortex™ Functions

The Lockwood Cortex™ has been engineered for ease of use without compromising on the level of security provided. The unit's advanced features include various levels of security from basic PIN code entry to advanced Dual (PIN + card) entry for ultra-high security applications. The lock function can be as basic or advanced as you need, if you need a simple one code entry it can be setup within 15 seconds. However if you wanted to program multiple users with different codes or allow a temporary visitor to enter, then the easy to follow, instructions will guide you through it. In addition, Cortex™ is programmable so that the lock can remain locked or unlocked for any given specified date or period of time (as decided by you).

The Lockwood Cortex™ is available in a range of form factors;

Including the popular 530 Latch option (non key override) and 60mm and 30mm backset variants.

You may also use the 530 version on a mortice lockset and not use the override cylinder feature.



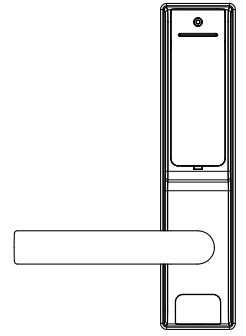
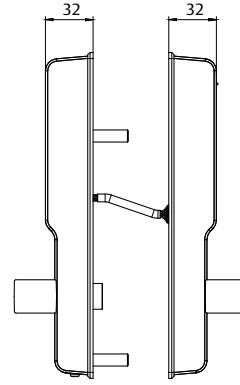
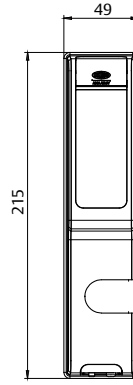
Cortex™ Digital Door Lock

CTX530

Exterior



Interior

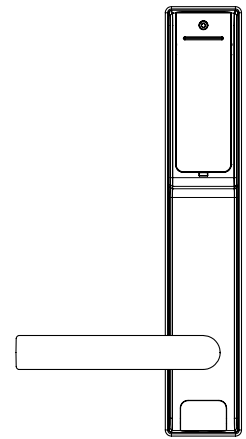
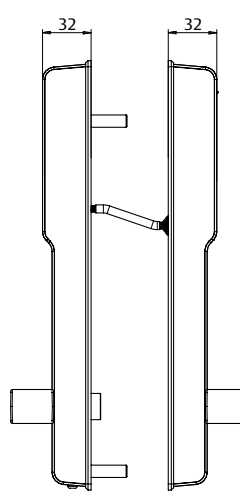
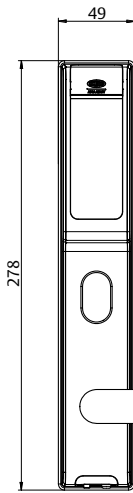


CTX3772

Exterior



Interior

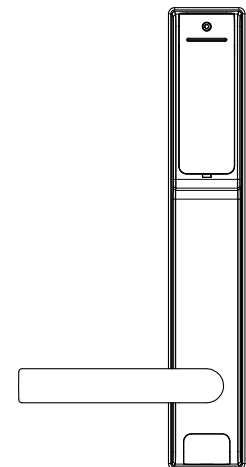
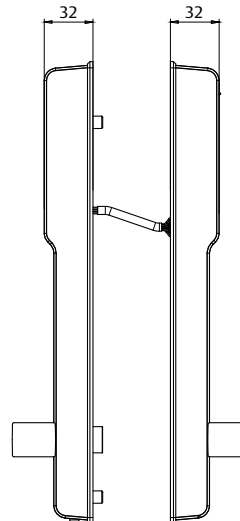
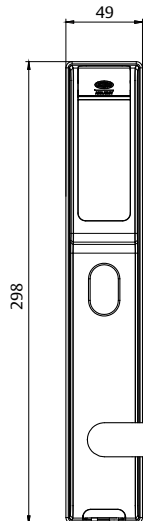


CTX5782

Exterior



Interior



Cortex™ Digital Door Lock Accessories

Ordering Information

Part Number	Product Description
CTX530SC/530	CORTEX ELECTRONIC LOCKSET 530 SC WITH 530 LATCH
CTX3772SC/3772	CORTEX ELECTRONIC LOCKSET 3772 SC WITH 3772 LOCK
CTX5782SC/5782LP	CORTEX ELECTRONIC LOCKSET 5782 SC WITH 5782 LOCK TIMBER FACEPLATE

Specification Statement

The lockset has the ability to program time and date into the lock, thus allowing various time based features; Timed passage mode and timed Visitor Code functions. The lockset allows for Dual Security credential that requires two users are present to unlock the door with card and PIN.

The electronic lockset is compatible with iClass and Mifare card formats.

The lockset has the ability to set a delayed unlocked state that allows the user extra time to open the door. Ideal for elderly or disabled users.

The lockset has a low battery detection feature (Smart Battery) that intelligently allows the lockset to ignore false battery recovery state.

Spare Parts

Part Number	Product Description
CTXACCPK1	CORTEX 530 ACCESSORY PACK & SCREW COVER
CTXACCPK2	CORTEX 3772 ACCESSORY PACK & SCREW COVER
CTXACCPK3	CORTEX 5782 ACCESSORY PACK & SCREW COVER

Accessories

Part Number	Product Description
CTXCARD-05	CORTEX SPARE CARD 5 PACK
CTXCARD-10	CORTEX SPARE CARD 10 PACK





ASSA ABLOY

Lockwood is the leading brand in the Australasian locking industry. With an established reputation for high quality products, this iconic brand provides a wide range of locking solutions to residential housing, commercial, semi-commercial, building and industrial application markets. Lockwood is supported by an extensive distribution and after-sales support network. Our customers include retailers, architects, trade and industrial personnel, locksmiths and security dealers.

ASSA ABLOY

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA ABLOY is represented in all major regions, in both mature and emerging markets, with leading positions in New Zealand, Australia, Europe and North America.

As the world's leading lock group, **ASSA ABLOY** offers a more complete product range of door opening solutions than any other company in the market.



For full details of Lockwood Warranties, please visit www.assaabloy.co.nz/warranties

ASSA ABLOY New Zealand Ltd
6 Armstrong Road
Albany, Auckland 0632
New Zealand

info.nz@assaabloy.com
assaabloy.co.nz

