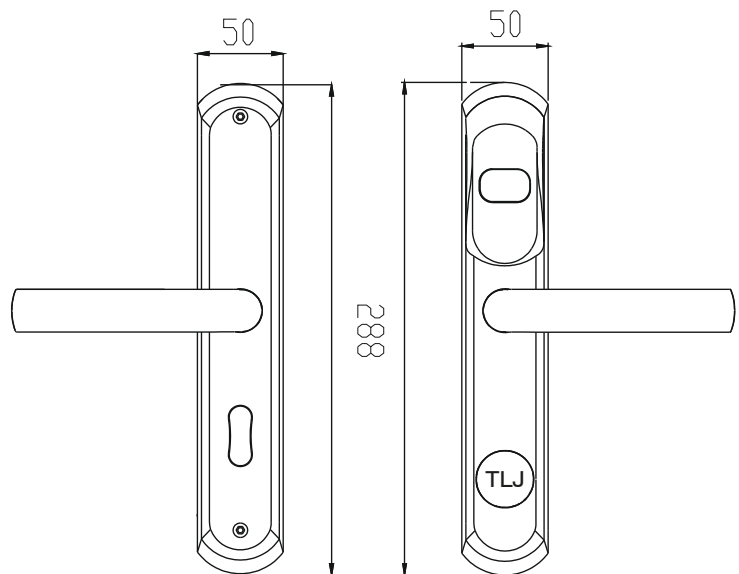# Revolution
electronic lock set

The TLJ Revolution lock set utilises RFID and BLE technology to offer seamless 'contactless' operation, enhancing convenience and ease of use.
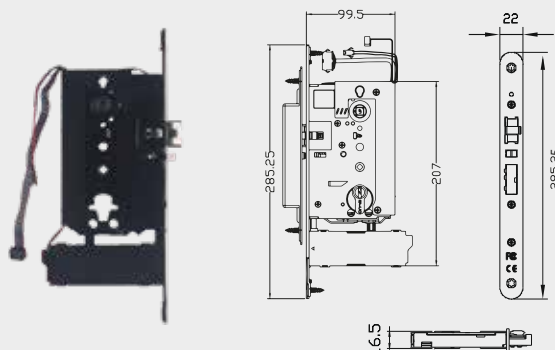
Its modern slimline design lends itself to new schemes and refurbishment projects - a varying selection of fore ends and keep plates & escutcheons aid a simple upgrade from older mechanical keyed systems or outdated, redundant mag-swipe systems.

50

50

288

Revolution
electronic lock set

99.5

22

285.25

207

285.25

16.5

European 60mm
Back Set radial fore end

Revolution
electronic lock set

Key Features

- Contactless RFID technology
- BLE Ready for use with Smartphone unlock
- Range of data carriers (KeyCards, Fobs, W
- Fully Certificated (Fire, CE, Security)
- Smart Lockcase with 3 embedded sensors:
  - i) Latch alarm when door not closed
  - ii) Deadbolt double lock
  - iii) Auditable Mechanical over-ride key
- Up to 3 years battery life (4 x AA batteries)
- Self-diagnostics LED patterns for fault finding
- Multiple program modes for different operation:
  - i) Hotel/Hostel mode
  - ii) PBSA student mode
  - iii) BTR residential mode
  - iv) Office/Commercial mode
- Low Battery alert & reserve battery
  Audit Trial last 1000 openings recorded
  Openings from exiting also recorded
  Compatible with TLJConnect writeback functionality
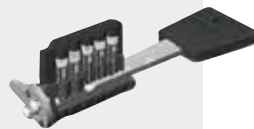
Revolution
electronic lock set

Colour Finish Options

Stainless Steel
Brushed satin chrome

Polished Chrome
Mirrored silver

PVD
Brushed satin gold

Polished Golld
Mirrored Brass

Certifications

EN14846:2008 – Electromechanically operated locks
EN50371:2012 – RT&TTE, Low-power human RF exposure
& european EMC, LVD directive

EN 1634-1:2014 – Fire resistance & smoke control for a
minimum of 30/60 minutes

Secured by Desgn – police approved to improve
the security within a building

Certifire – 3rd party certfication body gives
assurance as to the performance of the products

PAS24:2016 – Physical security attack test, including
mechanical load testing BS6375-2 and cycle testing
of 50,000 cycles EN1191

CE

Secured by Design
SBD
Police Preferred Specification

certifire

PAS
24
2016

Platform Options

Offline (Data-on-card)

A simpler standalone operation, with 'at the desk' issueing of credentials. Audit logs stored within the lock set's internal memory and can be retrieved by managment. Access can be revoked but requires presenting a 'Report Lost' card directly to the lock itself. Replacement credentials can kill previous credentials without the need to visit the lock.

RFID
STANDALONE

TLJ Connect (writeback technology)

A 'hybrid' of an online & offline access control system, where the credential is used to carry information <u>from</u> and <u>to</u> the offline lock as it passes through online hotspot readers* located on public doors, such as the front door or the elevator..

connect
by**TLJ**

This part of the memory stores the access rights, and any time & date constraints, such as an expiry date.

Access Credentials

TLJ Connect Data

This part of the memory stores the TLJ Connect data which is a combination of both:
● Writeback data from battery locks
● Access updates data from PC
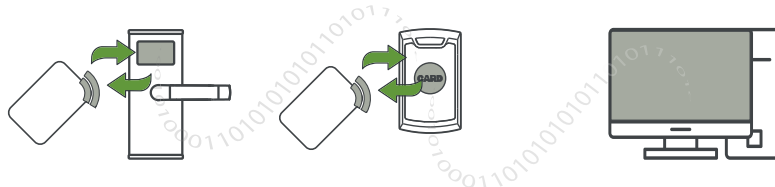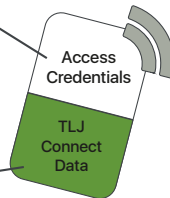
Writeback data **FROM** the battery lock includes:
- Audit Logs/Open Records
- Low Battery Alerts

Access updates **FROM** the PC include:
- Changes (additions or removal of access rights)
- Cancelled/Blocked credentials (Black List)

* Hotspot readers must be connected to the same LAN as the management PC running TLJ ALMS Software platform

Bluetooth Smart (App based)

Smartphones are used as the credential, as opposed to the more traditional key card or key fob. The user would use the TLJ app to firstly retrieve any assigned Bluetooth keys and then unlock doors, lift barriers, operate elevators/parcel drop systems etc.

Smartphones can be used in parrallel with typical RFID credentials, i.e. where some users prefer a key card and others a smartphone Bluetooth key.

Benefits:

- Reduction in KeyCard loss overhead
- Less time wasted re-issuing lost cards & letting people in rooms
- Stay ahead of the curve
- Check in efficiency drastically improved
- Truely contactless user interaction
- Semi-online platform using the smartphones connection to report audit logs/open records and low battery alerts from offline locks

TLJ access control