Overview
The Ilco 790 door lock offers RFID technology to enhance guest convenience and improve operational efficiency. This RFID solution offers keycard auditing capabilities for enhanced staff monitoring & user accountability.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks
- Access control for guest rooms, common areas, and back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Emergency access: Emergency keycard, mechanical key

Low Maintenance
- Operates with a completely sealed contactless reader
- Batteries last up to 3 years
- Low battery indicator alerts staff
- Lock programming and audit are not erased during battery replacement
- Wear resistant construction and finish
- Upgradable lock firmware

Access Management System
The 790 lock is supported by dormakaba’s stand alone Front Desk Unit (FDU).

Upgrade path to Mobile Access
The 790 can be upgraded to a Bluetooth Low Energy (BLE) enabled lock by only replacing the outside trim. The lock becomes then a RT Plus lock, working with dormakaba Ambiance Access Management Software.
### Mechanical Features

**Description**  Heavy duty electronic lockset with clutch mechanism and built-in contactless RFID reader (mortise or cylindrical)

**Handing**  Left or right factory handed mortise, field reversible handing (lever and mortise)

**Lever**  ADA compliant, outside lever free to rotate upward and downward in locked mode. Lever clearance (space from end of lever to door):
- **Long Lever:** ½” (9.5mm)
- **Short Lever:** 2” (51mm)
- **Elevon & Gala Lever:** 2” (58mm)

**Concealed Key Override (optional)**  Ilco KIK Core (keyed-alike, master keyed, recodable) Best small IC adaptor

**Deadbolt**  1” (25 mm) (for ASM mortise) or 2 1/4” (60mm) solid metal, projected by inside thumbturn and retracted with the latch by the interior handle, emergency override or specific staff keycards. Optional auto deadbolt available

**Door Thickness**  From 1 ¾” to 2 ½” (35mm to 66mm)

**Shipping Weight**  8.5 lbs (3.8 kg)

**Housing Construction**  Cast zinc alloy (outside housing levers and thumbturn), stainless steel inside housing

**Standard Finishes**  Satin chrome, satin brass and ultra finish for ocean front applications

**Standard Backset**  2 ¾” (70mm) backset, 2 ⅛” (60mm) backset also available for cylindrical lock

**Locking Options**  ANSI lock case with 1 ⅜” or 1” lock front mortise. Optional automatic deadbolt
- Cylindrical latch (2 ¼” or 2 ⅛” backset) European lock case mortise (20 x 165 mm) with round (20 or 23 x 235 mm) or square (20 x 235 mm) lock front mortise

### Batteries

**Alkaline**  3 AA batteries for up to 120,000 openings or up to 3 years (based on 10 openings per day). Low battery indicator: alerts staff that batteries need to be changed soon

### Lock Operation

**Date/Time Stamp**  Real time: date and hours/minutes

**Programming and Audit Trail Downloading**  Can be done using a 4K audit keycard or by using dormakaba M-Unit or FDU

**Pre-registered Keycards**  Up to 10 days in advance

**Keycard Expiry**  From 1 hour to 7 years, depending on type and setup

**Passage Mode**  Set by authorized keycard

**Lockout Mode**  Set by authorized keycard

**Keycards Accepted**  RFID cards or tags (ISO 14443, Mifare Classic (4 Byte NUID))

**Feedback**  “Dual sensory” audible and visible indicators

**Diagnostics**  Built-in battery voltage meter and lock version display

**Audit Memory**  Last 2000 transactions stored in lock (lock audit can be retrieved using M-unit or FDU or using lock audit keycard)

**Disability Feature**  Extended unlock time (4 seconds standard, 15 seconds for disability)

**Privacy Override**  Default emergency keycard only (user selectable)

### Certification and Testing

**Accessibility Standard**  Complies with ADA standards 2010 for accessible design

**BHMA/ANSI**  Certified to be compliant with Grade One performance tests for “ANSI/BHMA A156.13 Standard for Mortise Locks and Latches,” and “ANSI/BHMA A156.25 Standard for Electrified Locking Devices.” (Only locks tested and approved by non-biased third-party test lab are allowed in the “BHMA Certified Products Directory” found at www.buildershardware.com)


**Environmental Operating Conditions**  -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

**Florida Building Code**  Approved in the exterior door category (exterior door components). Code of approval is FL13061

### Warranty

**Standard Factory**  Two years

**Support Programs**  dormakaba Service Plans (Platinum, Gold, Silver)

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