Product Introduction
Digital Combination Lock - 3780
Lowe & Fletcher DCL

Introduction

- Brand new L&F digital combination lock.
- High quality materials throughout.
- Attractive design.
- Manufactured in the UK.
- Most components from European source.
- Flexibility of design, features and build options.
- Improved security.
- Improved resistance to attack.
- Many new features.
Lowe & Fletcher DCL

Introduction

Main features

• 4 digit user code
• 8 digit master code
• 6 digit sub-master code
• 6 digit technician code

• Private mode (user code retained when opened)
• Public mode (user code lost when opened)
• Technician mode (user code retained with lock set in Public mode.

• Mechanical override key, 2,000 differs, master option.
• Vertical, Left or Right hand options.
• Silver or black.
• 20mm or 24mm spindle.
Features & Benefits

Standard Features

• Zinc diecast housing & handle.
• Mechanical, shuttered, override lock.
• Smooth, nearly flush keypad.
• Five LED lights (4 green, 1 red).
• Key press LED indicator.
• Re-lock LED indicator.
• Audible “beep” on key press (switchable).
• Silver or Black finish.
• Automatic unlock option.
• 20mm or 24mm spindle length.
• Battery Life approx. 80k cycles.
• 2 x AA Duracell batteries included.
• Battery level indicator.
• Technician mode.
• Discrete L&F logo.
• Flush handle.
• Fixing screws and cam.
Optional Features

**No Cost Options**
- Other body lengths with adapters.
- Bulk packaging.
- Unique key per customer or installation.
- Can be pre-programmed in public / private mode.
- Can be pre-programmed to specific code.

**Chargeable Options**
- Wide range of colours.
- Dual colours on body and housing.
- Door alarm buzzer.
- Customised company logo.
- Black or grey gasket.
- Coinlock mating ability (not yet available).
DCL Dimensional Features
(Comparison with 3751 Lock)

- 37mm Wide for AA Batteries
- (3751 Lock 34mm, AAA Batteries)
- 136mm LONG (3751 Lock 136mm)
- 27mm TALL (3751 Lock 28.5mm)
- 20mm OR 24mm Spindle length
- Fixes with two M4 screws
- Two fixing screw position options
- Location Diameter 16mm
- (3751 Lock 16mm)
- Spindle to upper fixing 112mm
- (3751 Lock 112mm)
- 2mm OR 3mm Cam
- Flat, cranked, hooked cams
- Multi-point cam system
Circuit Boards Designed by L&F
Manufactured by BLE
State of the art PCB manufacturing equipment
Powder Coating by L&F Metal Finishing.
### Standard Part Numbers

<table>
<thead>
<tr>
<th>BARREL</th>
<th>KEYPAD</th>
<th>FINISH</th>
<th>COLOUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 20mm</td>
<td>1 Vertical</td>
<td>2 Powder Coat</td>
<td>B Black</td>
</tr>
<tr>
<td>2 24mm</td>
<td>3 LH</td>
<td>1 Powder Coat</td>
<td>E Silver</td>
</tr>
</tbody>
</table>
**PUBLIC MODE**

**LOCK**
- USER CODE
- USER CODE

**UNLOCK**
- USER OR MASTER CODE
- USER OR MASTER CODE

Red LED flashes slowly whilst locked

**PRIVATE MODE**

**CHANGE USER CODE**
- LOGO KEY
- OLD USER CODE
- O2
- NEW USER CODE
- NEW USER CODE

**ERROR**

Errors will time-out after 10 seconds.
Unfinished instructions will time-out after 10 seconds.
Always wait for LED lights to finish before pressing next key.
Fitting Instructions

The Digital Combination Lock can be fitted to cupboards, cabinets and lockers etc as a direct replacement for existing cam locks or for the Lowe & Fletcher 3751 Digital Combination Lock. It can also be easily fitted to cupboards and cabinets that do not have an existing locking device.

Special Notes

Before installing the Digital Combination Lock, load the batteries and familiarise yourself with the operation and programming. Unless manufactured to special order, the lock is supplied in the "PRIVATE" operating mode. In this mode, the user must enter a four-digit User Code to open it. The unit will re-lock itself after four seconds. The lock can be opened at any time using the Master Code. Unless manufactured to special order, the default Master Code is 11 33 55 77 and the default User Code is 22 44. These codes are common to all standard locks and it is very important that you set your own personal Master and User Codes. Your lock is not secure until you have changed the default Master Code and User Code. Keep a safe record of your master code as it is not possible to make any programming changes without it. Please see programming guide to set your own codes.

Installation Guide

IMPORTANT NOTES
The 3780 lock can be fitted with two or three screws. Always use the screw position "A" behind the logo button. Use either of the other two positions "B" & "C" or both if preferred. Before drilling fixing holes, please ensure that the position of the Digital Combination Lock when fitted will allow clearance for selected cam to work. ENSURE BATTERIES ARE CORRECTLY FITTED BEFORE FIXING LOCK

A) New Installation
Step 1 Place template on door and mark TWO 4.5mm (3/16") holes (refer to installation diagrams). Use hole position "A" and either of positions "B" & "C". Mark ONE 16mm (5/8") hole (position "D").
Step 2 Drill both fixing holes and the 16mm clearance hole.
Step 3 Fit the Digital Combination Lock to the door by passing the spindle through the 16mm (5/8") hole.
Step 4 Fit at least two fixing bolts to suit your door thickness.
Step 5 Tighten the upper and lower bolt.
Step 6 Select the cam which suits your door and frame and attach it to the square shaft at the end of the spindle using a M4 x 8 screw and domed spring washer.
Step 7 Now check the operation of the lock using the factory User Code 22 44.
Step 8 If the lock is functioning correctly, CHANGE THE DEFAULT MASTER CODE 11 33 55 77 and DEFAULT USER CODE 22 44 and program the lock using the programming and operating instructions enclosed.

B) Replacing existing cam lock with the 3780 Digital Combination Lock
Step 1 Remove existing cam lock.
Step 2 Place installation template on door over hole left by cam lock (position "D") and mark TWO 4.5mm (3/16") holes (refer to installation diagrams). Use hole position "A" and either of positions "B" & "C".
Step 3 Drill the two 4.5mm (3/16") fixing holes.
Step 4 Continue installation from step 3 to 8, above.

B) Replacing existing L&F 3751 Digital Combination Lock with the 3780 Digital Combination Lock
Step 1 Remove existing electronic lock.
Step 2 Place installation template on door over the 16mm (5/8") hole left by digital lock in position "D" and the 4.5mm hole in position "A". Mark ONE additional 4.5mm (3/16") hole (refer to installation diagrams). Use either of positions "B" & "C".
Step 3 Drill the 4.5mm (3/16") fixing hole.
Step 4 Continue installation from step 3 to 8, above.

IMPORTANT NOTE:
Before drilling fixing holes, please ensure that the position of the Digital Combination Lock when fitted will allow clearance for the cam to function.

The installation template may be found on the rear of this sheet and on the bottom of the carton in which your lock was packaged.
### Master Code Functions

<table>
<thead>
<tr>
<th>Function</th>
<th>Mode</th>
<th>Key Sequence</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change master code</td>
<td>✓</td>
<td>✓ [Logo] Old Master Code [New Master Code] 01</td>
<td>Master code is eight digits.</td>
</tr>
<tr>
<td>Delete user code</td>
<td>✓</td>
<td>✓ [Master Code] 07</td>
<td>Opens lock and deletes user code.</td>
</tr>
<tr>
<td>Delete sub-master code</td>
<td>✓</td>
<td>✓ [Logo] Master Code 07</td>
<td></td>
</tr>
<tr>
<td>Open lock</td>
<td>✓</td>
<td>✓ [Master Code]</td>
<td>DELETES USER CODE IN PUBLIC MODE</td>
</tr>
<tr>
<td>Close lock</td>
<td>AUTO</td>
<td></td>
<td>RE-LOCKS AUTOMATICALLY AFTER 4 SECONDS.</td>
</tr>
<tr>
<td>Set public mode</td>
<td>✓</td>
<td>✓ [Logo] Master Code 08</td>
<td>Deletes all user codes.</td>
</tr>
<tr>
<td>Set private mode</td>
<td>✓</td>
<td>✓ [Logo] Master Code 09</td>
<td>Deletes all user codes.</td>
</tr>
<tr>
<td>Set audible buttons on</td>
<td>✓</td>
<td>✓ [Logo] Master Code 12</td>
<td></td>
</tr>
<tr>
<td>Set audible buttons off</td>
<td>✓</td>
<td>✓ [Logo] Master Code 13</td>
<td></td>
</tr>
</tbody>
</table>

### Sub-master Code Functions

<table>
<thead>
<tr>
<th>Function</th>
<th>Mode</th>
<th>Key Sequence</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete user code</td>
<td>✓</td>
<td>✓ [Sub-Master Code]</td>
<td>Opens lock and deletes user code.</td>
</tr>
<tr>
<td>Open lock</td>
<td>✓</td>
<td>✓ [Sub-Master Code]</td>
<td>DELETES USER CODE IN PUBLIC MODE</td>
</tr>
<tr>
<td>Close lock</td>
<td>AUTO</td>
<td></td>
<td>RE-LOCKS AUTOMATICALLY AFTER 4 SECONDS.</td>
</tr>
</tbody>
</table>

### User Code Functions

<table>
<thead>
<tr>
<th>Function</th>
<th>Mode</th>
<th>Key Sequence</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open lock</td>
<td>✓</td>
<td>✓ [User Code]</td>
<td></td>
</tr>
<tr>
<td>Close lock</td>
<td>✓</td>
<td>✓ [User Code]</td>
<td></td>
</tr>
<tr>
<td>Close lock</td>
<td>AUTO</td>
<td></td>
<td>RE-LOCKS AUTOMATICALLY AFTER 4 SECONDS.</td>
</tr>
</tbody>
</table>

### Technician Code Functions

<table>
<thead>
<tr>
<th>Function</th>
<th>Mode</th>
<th>Key Sequence</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open lock</td>
<td>✓</td>
<td>✓ [Technician Code]</td>
<td>DOES NOT DELETE USER CODE.</td>
</tr>
<tr>
<td>Close lock</td>
<td>AUTO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Functions Available to All Codes

| Battery Check                     | ✓    | ✓ [Logo] [Logo]                            | Replace batteries if red light shows          |

### Notes

- **Timer Functions** - **Time Code Examples** - **Battery Condition Indicator**
  - **All Acceptable Button PresSES Are Signified By a Green Light.**
    - Time Code: 001 1 MIN
    - Time Code: 010 10 MINS
    - Time Code: 030 1/2 HR
    - Time Code: 060 1 HR
    - Time Code: 480 8 HRS
    - Time Code: 720 12 HRS
    - Time Code: 999 16 HRS 39 MINS (Maximum)
  - **Incomplete Functions “Time-Out” After 4 Seconds.**
    - **Errors And “Time-Outs” Are Signified By Flashing Red Light.**
    - Time Code: 001 1 MIN
    - Time Code: 010 10 MINS
    - Time Code: 030 1/2 HR
    - Time Code: 060 1 HR
    - Time Code: 480 8 HRS
    - Time Code: 720 12 HRS
    - Time Code: 999 16 HRS 39 MINS (Maximum)
  - **Following An Error Or “Time-Out”, Unit Reverts To Previous Settings.**
  - **Time Codes Are 3-Digit Codes Corresponding To The Number Of Minutes.**

- **Default Master Code (8 digits) = 1 1 3 3 5 5 7 7**
- **No Default Sub-Master Code (6 digits)**
- **Default User Code (4 digits) = 2 2 4 4**

**Ensure That You Keep A Safe Record Of Your Master Code.**

**It Is Not Possible To Program The Lock Without It**