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1. Within the scope of this instruction manual there are repeatedly references to keys. These keys can be different models of transponder media such as key cards, key tags, key fobs, key sticks, etc.

2. Within the scope of this instruction manual there are repeatedly references to the presentation of transponder keys to the antenna of the DFT. These instructions refer to the internal as well as to the external antenna of the DFT depending on the type of the DFT.

3. In the following text, the Dialock Furniture Terminal will be called DFT for short.

Brief instructions for Starting Up the DFT the first time

1. Before installing in furniture have the following parts ready: Dialock Furniture Terminal DFT, external antenna (in case a DFT for external antenna is used), transformer, programming and erasing key. (See also info above 1.)

2. Connect the antenna to the Dialock Furniture Terminal. Do not connect the transformer to the DFT yet. Keep the green programming key and the red erasing key ready.

3. The following procedure must be carried out quickly and without interruption. Connect the transformer to the DFT. The LED flashes green. The unit gives a buzzing sound to acknowledge. Within 5 seconds hold the green programming key in front of the antenna at a distance of max. 2 cm (depending on transponder type. See information text 2 on this page). The unit buzzes to acknowledge successful teaching.

   ➤ If it flashes for longer than 5 seconds or if it flashes red, do not hold the green programming key in front of it, but disconnect it from the power supply and then re-connect it. While the LED is still flashes green, hold the green programming key in front of the antenna at a distance of max. 2 cm (depending on transponder type). A short beep sounds to acknowledge the assignment of the green programming key.

   Remove the green programming key.

   Two short beeps sound and the LED blinks red. Present the red erasing key within 5 seconds.

   A long beep acknowledges the assignment of the erasing key.

4. The LED now lights continuously red, the DFT is now in its normal operating state.
Assigning access rights tor user keys (simultaneous locking)

1. Present the green programming key to the antenna. A long beeb sounds, the LED flashes green.
2. Hold the user key to be assigned in front of the antenna within 5 seconds. When the LED flashes green briefly, access right has been assigned to that user key and an acoustic signal is heard.
3. Remove the user key just assigned.
4. If another key has to be taught, hold the next user key in front of the antenna within 5 seconds. If no user key is held in front within 5 seconds the DFT switches to normal operating mode.

Assigning access rights to user keys (individually locking)

1. Hold the green programming key in front of the antenna several times (number of times corresponds to address number). Example: desired address number is 7: hold the green programming key 7 times briefly in front of the antenna. Every time the key is held in front, an acoustic signal is heard.
2. The LED flashes green several times (number of times corresponds to address number) and repeats the flashing process after a short interval. An acoustic signal is heard.
3. Hold the user key to be assigned in front of the antenna within 5 seconds. When the LED flashes green briefly, right of access has been assigned to that user key.
4. Remove the user key just assigned.
5. If another card is required for the same address, hold the next user card in front of the antenna within 5 seconds. If no user card is held in front within 5 seconds the DFT switches to normal operating mode.

If another card is required for the same address, hold the next user card in front of the antenna within 5 seconds. If no user card is held in front within 5 seconds the DFT switches to normal operating mode.
It is essential that you read the „Start-up“ section (see Page 50 ff.) of these instructions before commissioning, i.e. assignment of keys.

### Items supplied

<table>
<thead>
<tr>
<th>Description</th>
<th>Mat. no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Dialock Furniture Terminal DFT Tag-it ISO</td>
<td>237.58.110, 237.58.120</td>
</tr>
<tr>
<td>for external antenna with internal antenna (see page 39 &quot;Basics&quot;)</td>
<td></td>
</tr>
<tr>
<td>1 external antenna</td>
<td>237.58.129, 237.58.130</td>
</tr>
<tr>
<td>1 transformer</td>
<td>821.80.041</td>
</tr>
<tr>
<td>16-fold distributor</td>
<td>823.28.780</td>
</tr>
</tbody>
</table>

![Fig. 1](image1)

![Fig. 2](image2)

![Fig. 3](image3)

![Fig. 4](image4)
The following Häfele products are not part of the scope of delivery:

<table>
<thead>
<tr>
<th>Description</th>
<th>Mat. no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programming card, green</td>
<td>917.42.001</td>
</tr>
<tr>
<td>Erasing card red</td>
<td>917.42.002</td>
</tr>
<tr>
<td>Open time transponder # 74 Tag-it ISO</td>
<td>917.42.021</td>
</tr>
<tr>
<td>Output delay transponder # 81 Tag-it ISO</td>
<td>917.42.022</td>
</tr>
<tr>
<td>User key, white</td>
<td>917.44.001</td>
</tr>
<tr>
<td>Output extender</td>
<td>910.51.081</td>
</tr>
<tr>
<td>Furniture Lock Case with/without monitoring contact</td>
<td>237.56.0xx</td>
</tr>
</tbody>
</table>
Area of application

The Dialock Furniture Terminal DFT/B is part of the Dialock electronic locking system. It is the central unit for the electromechanical locking systems for furniture such as showcases, drawers, lockers and roller shutters.

Performance characteristics

- Simple and convenient operation.
- Use of up to 200 user keys per DFT.
- Control of up to 6 Furniture Lock Cases FLC, or with a second 6-fold distributor, up to 11 FLCs. The opening and closing process is the same for each FLC Furniture Lock Case (simultaneous action).
- Possibility of controlling other FLCs by means of the optional Dialock Output Extender. This allows individual setting of the opening and closing process of each FLCs (individually addressable).
- Selectable locking modes: locking cycle (Spring-lock function) and toggle mode (Bolt-lock function).
- Output leads for external LED.
- Relay output e.g. for buzzers.
- Two digital inputs e.g. to monitor door status.
- Adjustable output delay
Basics

Locking cycle (Spring-lock function)
When an authorised user key is presented the DFT unlocks the locking unit (FLC) for a certain adjustable period. During this time it is possible to open the furniture, e.g. a locker. After this period the Dialock Furniture Terminal automatically relocks the locking unit.

Toggle mode (Bolt-lock function)
When an authorised user key is presented the DFT unlocks the locking unit (FLC). However, the DFT keeps the locking unit open until an authorised user key is presented again.

Open Time
The Open Time determines -in locking cycle mode- the time during which the locking unit is held open upon the recognition of a valid key. After the open time has elapsed the locking unit is locked again. The Open Time can be adjusted to a maximum of 120 seconds in steps of 1 second.

Output Delay Time
Upon the recognition of a valid key the Power Output and the output for the Output Extender are only activated after the output delay time has elapsed. The Output Delay Time can be adjusted to a maximum of 10 seconds in steps of 1 second.
Instructions for installation

Safety note:
Electric power must be supplied via a safety transformer only.
For safety reasons the transformer must not be connected to the mains socket during installation.

Conditions for installation

Before installing the Dialock Furniture Terminal first determine suitable positions and locations for the system components:

- Dialock Furniture Terminal DFT
- External antenna
- Transformer
- Optional: 6-way distributor
- Optional: FLC locking housing (electric locking)
- Optional: Output extender, external LED, switch, read contacts

When installing the individual system components always follow the respective installation instructions.

For maintenance, ensure that the individual system components are accessible.

When laying the connecting cables and installing the Dialock Furniture Terminal there is a risk for wires or components to be jammed or crushed. Always ensure that there is sufficient clearance between cables and moving parts. If necessary, attach suitable extensions to the cables.

Secure all cables and wires with suitable cable guides (cable binders and holders) to prevent them from slipping.

Lay all cables safely and clearly.
Required material and tools (not supplied with DFT)

- Cross-headed screwdriver, size 2
- Awl
- For wooden body and door:
  Hospa screws (Ø 3.5 mm x X mm, depending on body thickness)
  Otherwise:
  suitable screws, e.g. sheet-metal screws for metal cupboards
- Various cable holders

Procedure

1. Position and fix the Dialock Furniture Terminal and system components as shown in the wiring diagram.
2. Pass all connecting cables.
3. Assemble the plug at the end of the cable of the FLC lock case.
4. Connect the plugs for the connecting cables to the Dialock Furniture Terminal.

Wiring diagram

Variant A: simultaneous locking
Variant B: individually addressable

1 FLC Furniture Lock Case
Adresse 1

Transformer 12 V / 20 VA

Dialock Output Extender

Max. 8 FLC Furniture Lock Case
Adresses 2 - 9

Fig. 9 Dialock Furniture Locking System with external antenna
1 Power-supply cable
2 Data cable

Variant C: Mixed operation, simultaneously locking and individually addressable

Max. 6 FLC Furniture Lock Case simultaneously closing, Adresse 1

Distributor block 6-fold

Transformer 12 V / 20 VA

Dialock Output Extender

Max. 8 FLC Furniture Lock Cases
Adresses 2 - 9

Fig. 10 Dialock Furniture Locking System with external antenna, 6-fold distributor block and Output Extender with total 14 FLCs
1 Power supply cable
2 Data cable
Dialock Furniture Terminal

Dialock Furniture Terminal Tag-it ISO: Terminal strip and plug functions

<table>
<thead>
<tr>
<th>1</th>
<th>Ext. LED +</th>
<th>8</th>
<th>Input 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Ext. LED -</td>
<td>9</td>
<td>Input 1</td>
</tr>
<tr>
<td>3</td>
<td>Mode Jumper</td>
<td>10</td>
<td>Relay NO</td>
</tr>
<tr>
<td>4</td>
<td>Mode Jumper</td>
<td>11</td>
<td>Relay NC</td>
</tr>
<tr>
<td>5</td>
<td>Signal Ground</td>
<td>12</td>
<td>Relay COM</td>
</tr>
<tr>
<td>6</td>
<td>Input 2</td>
<td>13</td>
<td>Output 5 V, 50 mA max.</td>
</tr>
<tr>
<td>7</td>
<td>Input 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fig. 11  Dialock Furniture Terminal Tag-it ISO: Terminal strip and plug functions

Fig. 12  Dialock Furniture Terminal Tag-it ISO: Terminal strip, Reset button
Mounting

1. Fix the position of the Dialock Furniture Terminal. If required, the fastening lugs can be turned 90°. To do this, unscrew the cross-head screws and turn the lugs by 90°. Then tighten the screws to hand tightness.

2. Using the awl, mark the screw holes in the furniture body.

3. Attach the Dialock Furniture Terminal to the furniture body with 4 screws.

The minimum distance between two DFTs with internal antennas is 25 cm!

The minimum distance between two external DFT antennas is 25 cm!

Antenna DFANT 2

Follow the installation instructions for the antenna!

The minimum distance between two external DFT antennas is 25 cm!

Protect the antenna cable against pulling. The bending radius of the antenna cable must minimum 50 mm!

⇒ If necessary, use a pull-relief device.

Protect cable against breaking:

⇒ Do not fold the antenna cable!

1. Position the antenna.

2. Cut a recess with 35 mm diameter into the furniture body, and drill a central 8 mm hole for the antenna cable.

3. Push the antenna cable through the 8 mm hole, insert the antenna into the recess, and lock it in place.
4. Stick front foil into position.

5. Fix the ferrite filter on the cable as near as possible to the DFT unit:
   a. Open the ferrite filter,
   b. lay a simple loop into the respective cavity, and
   c. close the ferrite filter until the clip snaps in.
Transformer

⚠️ Ensure that you install the transformer correctly!

1. Determine the position of the transformer.
2. Mark the screw holes with the awl.
3. Attach the transformer with 3 screws.
4. Lay cable and fix it in position. Otherwise malfunctions may occur.

6-fold distributor block

⚠️ The distributor block must remain accessible after installation!

When selecting the location, ensure that all the connections also remain accessible after installation.
1. Insert the plug of the 6-fold distributor block into the socket marked „Power Output“ on the Dialock Furniture Terminal.
2. If required, secure the distributor with a cable holder.
3. Connect the optional second 6-fold distributor as shown in figs. 8/10, pages 41/42.

FLC Furniture Lock Case

⚠️ Follow the installation instructions for the FLC Furniture Lock Case!
Output Extender (optional)

The Dialock Output Extender must remain accessible after installation!

⇒ When selecting the mounting position ensure that all connections can be easily reached after installation.

Fig. 16  Output Extender - plug configuration
  A  Outputs 1 - 8, connections for FLC Furniture Lock Cases, addresses 2-9
  B  Data line from Dialock Furniture Terminal
  C  Do not use!
  D  Do not use!
  E  Power supply from transformer

1. Attach Output Extender with 2 countersunk head screws (Ø = 5 mm).
2. Insert plug of Furniture Lock Case FLC to output 1 - 8 of Output Extender. If necessary use extension cable.
3. Plug data line to the Dialock Furniture Terminal into the western socket (connection B).
4. Connect power line (connection E) to the transformer.
FLC Plug

The plug at the end of the FLC connection cable must be assembled as follows:

Before connecting the plug the cable must be laid from the FLC to the DFT, Output Extender, or 6-fold-distributor, because the cable has to be pushed through small holes and grooves. After assembly it is not possible to re-open the plug without damaging it.

1. Pull the sides of the plug apart.

2. Separate the two wires in the cable.

3. Insert the wire ends into the plug until they **click into position**. Check firm locking by pulling slightly.

4. Close one side of the plug and press the cable into position.

5. Check the position of the cable. Take care not to crush the wires when closing the other side of the plug!

6. The plug is now safely connected to the cable.
Connect all the cables

Plug in all the cables of the individual components as shown in the connection diagrams (Fig. 8/9/10, pages 41/42).

Connecting power supply

⚠️ Read the following instructions carefully before connecting the transformer to the mains socket!

When the supply voltage is switched on the Dialock Furniture Terminal is ready for use and in the start-up mode.

The Dialock Furniture Terminal is completely installed.

A function test is only possible once the start-up process has been completed and a user key has been assigned.
Commissioning

The Dialock Furniture Terminal is supplied in the so-called “Simple Mode” for Stand Alone (SA) operation. These instructions describe this mode only. Other modes are possible following consultation with the dealer or the service agency.

Ensure that unauthorised persons do not misuse the user keys. Keep the programming and the erasing key in a safe place because they are used to assign and to withdraw access rights to individual user keys.

At the first start-up, the programming and erasing keys themselves must be „assigned“:

This step can only be carried out directly after applying the supply voltage for the first time.

1. Have the DFT, external antenna (if required), transformer, programming key, and erasing key ready.
2. Connect the antenna to the DFT (in case of a DFT with external antenna). Do not yet connect the transformer to the DFT. Keep the green programming key and the red erasing key ready.
3. The following procedure must be carried out quickly and without interruption:
   Connect the transformer to the DFT. The LED flashes green.
   If no key is presented within 5 seconds and the LED flashes red, do not present any key to the antenna, but disconnect it from the power supply and then re-connect it. (See page 34, info 2.)
   While the LED is flashing green, hold the green programming key in front of the antenna at a max. distance of 2 cm. A short beep sounds to acknowledge the assignment of the key.
   Remove the green programming card. Two short beeps sound and the LED blinks red. Present the red erasing key within 5 seconds. A long beep acknowledges the assignment of the erasing key.
4. The LED now lights continuously red, the DFT is in operating mode.
Short instructions

Simple Mode / Stand Alone

Controlling the Furniture Lock Case

**Simultaneous locking:** All the FLC Furniture Lock Cases connected to the 6-fold distributor (fig. 8/10) open and close simultaneously if a valid user key is detected.

**Individually addressable:** Each FLC Furniture Lock Case (fig. 10) connected to the Output Extender (not included in package) opens and closes irrespective of the other FLCs connected to it. User keys have to be assigned individually to each FLC. The FLCs are addressed according to the following connection scheme:

<table>
<thead>
<tr>
<th>Address</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>on DFT:</td>
</tr>
<tr>
<td>1</td>
<td>Power Output</td>
</tr>
<tr>
<td></td>
<td>on Output Extender:</td>
</tr>
<tr>
<td>2</td>
<td>Output 1</td>
</tr>
<tr>
<td>3</td>
<td>Output 2</td>
</tr>
<tr>
<td>4</td>
<td>Output 3</td>
</tr>
<tr>
<td>5</td>
<td>Output 4</td>
</tr>
<tr>
<td>6</td>
<td>Output 5</td>
</tr>
<tr>
<td>7</td>
<td>Output 6</td>
</tr>
<tr>
<td>8</td>
<td>Output 7</td>
</tr>
<tr>
<td>9</td>
<td>Output 8</td>
</tr>
</tbody>
</table>
Assigning access rights to user keys (simultaneous locking)

1. Hold the green programming key in front of the antenna. A beep sounds, the LED flashes green.
2. The LED flashes green.
3. Hold the user key to be assigned in front of the antenna within 5 seconds. When the LED flashes green briefly, access right has been assigned to that user key, and a beep sounds.
4. Remove the user key just assigned.
5. Hold the next user key to be assigned in front of the antenna within 5 seconds.

Assigning access rights to user keys (individually locking)

1. Hold the green programming key in front of the antenna several times: The number of times corresponds to address number.
   Example: desired address number is 7: Hold the green programming key 7 times briefly in front of the antenna. Each time the key is presented a beep sounds.
2. The LED flashes green several times according to the address number, pauses, and repeats the flashing. A beep sounds.
3. Hold the user key to be assigned in front of the antenna within 5 seconds. When the LED flashes green shortly, access right has been assigned to that user key.
4. Remove the user key assigned.
5. Hold the next user key to be assigned in front of the antenna within 5 seconds, if an additional key is desired for the same address.
Withdrawing access rights from a user key  
(simultaneously and individually locking)

1. Hold the red erasing key in front of the antenna. The LED flashes red.  
   A long beep sounds.
2. Hold the user key to be erased in front of the antenna.
3. The LED flashes red. Access right is withdrawn. A long beep sounds.

Withdrawing access rights from all user keys

If a user key is lost and thus its access right has to be erased from the DFT, all user keys assigned to the DFT must first be erased, and then reassigned.
1. Hold the red erasing key in front of the antenna. The LED flashes red.  
   A long beep sounds.
2. Hold the green programming key in front of the antenna. The LED lights up red for a moment. All locking rights are erased. A long beep sounds.
3. Re-assign access rights to all user keys. See „Assigning access rights to user keys“, page 52.
Operating Parameters, Locking Mode

Special setup keys are required to respectively set the Open Time, i.e. the time during which the FLC is open before it automatically locks, and the Output Delay, i.e. the time between the recognition of a valid key and the response of the DFT output. These setup keys are not included in the package and can be obtained from a dealer, or directly from Häfele.

The setting of the toggle mode (bolt-lock function) for the FLCs is done by removing the wire jumper between terminal 3 and 4 on the terminal strip followed by a simple reset of the DFT (see page 59).

Setting the Open Time

1. Hold the “Open Time Transponder #74” in front of the antenna. The LED flashes red-green alternately.
2. Hold the green programming key in front of the antenna within 4 seconds. The LED flashes green.
   The open time conforms to the length of time the green programming key is held in front of the antenna (max. 120 seconds).

Setting the Output Delay Time

With the assistance of the special transponder “Output Delay Key #81”, the period between the detection of a valid key and the activation of the output can be set between 0 and 10 seconds in steps of 1 second.
1. Hold the “Output Delay Key #81” in front of the antenna. The LED flashes red-green alternately.
2. Hold the green programming key in front of the antenna within 4 seconds. The LED flashes green.
3. The Output Delay Time conforms to the length of time the green programming key is held in front of the antenna (max. 10 seconds). If the key is presented for more than 10 seconds the maximally time of 10 seconds is set.
Activating the toggle mode (bolt-lock function)

1. Remove the jumper between terminal 3 and 4 of the terminal strip.
2. Carry out a simple reset. During this reset the missing jumper is recognized, and the DFT sets to toggle mode.
3. To de-activate the toggle mode and to return to the lock cycle re-install the jumper and carry out another simple reset.

For all the FLCs connected the Open Time and the opening mode are the same. Differing configurations are not possible.

Operating instructions

1. Hold a valid user key in front of the antenna. The LED lights green.
2. The appliance (i.e. the corresponding FLC) is unlocked for the Open Time set (default = approx. 5 seconds). If an Output Delay is set the FLCs are triggered after this time has elapsed.
   - If the LED does not change from red to green: Hold the user key closer to the antenna.
   - If the LED still does not change from red to green: The key is not authorised to access.

Special feature

Locking process of Dialock Furniture Terminal in toggle mode (bolt-lock function) using the Output Extender and user keys with different authorisations (authorisation pattern):

Initial state: All FLCs are locked.

As soon as a valid user key (e.g. Key 1) is presented, the Dialock Furniture Terminal unlocks all the FLCs for which authorisation is assigned.
If a second valid user key (Key 2) with a different authorisation pattern is presented, all the previously unlocked FLCs are locked again, and the LED lights red. The second key (Key 2) must then presented again to unlock the related FLCs.

Example: Access plan

<table>
<thead>
<tr>
<th>Showcase/FLC</th>
<th>Key 1</th>
<th>Key 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>5</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>

Example

All showcases (FLC 1 - 5) are locked.
The LED lights red.

<table>
<thead>
<tr>
<th>Step</th>
<th>Present Key 1:</th>
<th>Present Key 2:</th>
<th>Present Key 2 once more:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FLC 1, 2 and 5 are unlocked.</td>
<td>FLC 3 and 4 are locked.</td>
<td>FLC 3, 4, and 5 are unlocked</td>
</tr>
<tr>
<td>2</td>
<td>The LED lights green.</td>
<td>All FLCs (1 - 5) are locked.</td>
<td>The LED lights green.</td>
</tr>
</tbody>
</table>
Additional terminal points of the DFT/B Tag-it ISO

Terminals for external LED

At terminal point 1 and 2 of the terminal strip an external LED can be connected. This must be a 2-lead bi-directional bi-color LED.
The status of this indicator corresponds with the status of the LED in the DFT or in the external antenna.
☞ For details see page 43, fig. 12

Two inputs for external contacts or switches

The DFT features two signal inputs (current controlled opto-coupled inputs) rated for 20 mA. There is an internal current source to drive these inputs.
The inputs (terminal point 6/7 and 8/9 of the terminal strip) can simply be bridged with an ordinary contact to create an input signal.
The status of the inputs can only be used with a Dialock macro program.
☞ For details see page 43, fig. 12

Potential-free relay output

The DFT features a potential-free relay output (COM, NC, NO) at terminal 10, 11 and 12. The control of this relay is subject to application specific Dialock macros.
The delayed operation which may possibly be set in the DFT has no effect on this output.
☞ For details see page 43, fig. 12

For the relay, note the following maximum data for the connected load.
Specifications:
Technische Daten:
Switching power, max. 60 VA, 30 W
Switching voltage, max. 125 V AC, 60 V DC
Operating current, max. 1 A
5 Volt output

The 5 V output at terminal point 13 of the terminal strip can be used to directly drive small electric loads such as buzzers, or other indicators via the relay output without the need of an additional power source.

For details see page 43, fig. 12

Example

Electronic furniture access control with door status monitoring

For this application example, a macro should be saved in the DFT (see page 60) which tests the validity of the keys and the status of the door contact, and activates the signal transmitter when the door remains open for more than 60 seconds or is opened without a valid key being presented.

Multiple door contacts can be connected.
Reset

A reset push button is located behind the small 1 mm opening in the DFT housing right of the terminal strip. The hardware reset is accomplished as follows.

Simple Reset

1. Disconnect DFT from power supply.
2. Use a small pin to push the reset button and keep it pushed.
3. Connect DFT to power. The LED flashes alternating red/green.
4. Release the reset button. After a short time the simple reset is completed.

Functions of the Simple Reset

1. The project code is reset to 0815. This causes all special transponders (function keys) to work without the programming key.
2. Programming and erasing keys are deleted. User keys remain stored.
3. A possible jumper on pin 3/4 of the terminal strip is recognized, and the operating mode is set accordingly.

Directly after a simple reset a green programming key and a red erasing key should be assigned! This is indicated through green resp. red flashing of the LED.
Complete Reset

1. Disconnect DFT from power supply.
2. Use a small pin to push the reset button and keep it pushed.
3. Connect DFT to power. The LED flashes alternating red/green.
4. Keep the reset button pressed until the LED stops flashing and continuously lights green.
5. Release the reset button. The LED flashes alternating green/red. As soon as the alternating of the LED stops the reset is completed.

Functions of the complete Reset

1. The data storage of the DFT is completely cleared, i.e. all keys and all parameters are reset to the original default.
2. A possible jumper on pin 3/4 of the terminal strip is recognized, and the operating mode is set accordingly.

Directly after a complete reset a green programming key and a red erasing key should be assigned! This is indicated through green resp. red flashing of the LED.

Macro functions

Dialock macros are programs which expand the range of functions of the DFT. Without these macros, no logical link exists between the inputs and outputs of the DFT. Without macro function, the inputs and outputs cannot be used.

Logical conjunctions between DFT input signals (Input 1 and Input 2) and the relay of the DFT are realised through Dialock macro functions.

Example: A store cabinet's door contact is connected to Input 1, a buzzer is connected to the relay. If now the showcase is opened after the presentation of a valid key, but not closed after a preset time, a sound signal goes off to remind the user to close the cabinet door.

For the development of such application specific functions please contact your Dialock Service Partner or the local Häfele Sales Office.
Transfer a macro to the DFT

1. Have the key with the macro ready.
2. Present the special key #79. A confirmation beep sounds, the LED blinks red-green in a fast mode.
3. Confirm the authorisation with the green Programming Key
   The LED blinks red-green in a slow mode.
4. Present the key with the macro until the LED stops blinking and lights constantly red.
5. Ready.

⚠️ With a Complete Reset all macros stored in a DFT are erased and have to be re-transferred if necessary.

FAQs

I have lost my user key and want to cancel it. How do I do it?
If a user key is lost and is to have its access right withdrawn, all the user keys on the Dialock Furniture Terminal have to be erased and then all the remaining keys have to be re-assigned. See page 53 „Withdrawing access rights from all user keys“.

I have lost a programming key and want to cancel it. How do I do it?
Accomplish a Complete Reset and immediately re-assign a new green programming key and a new red erasing key.

The system does not open. What should I do?
• Check the closing mechanism. If necessary, close the mechanism completely beforehand.
• Check the plug-in connection. If necessary, allow the plug to click fully into position.
### Technical data

<table>
<thead>
<tr>
<th>Physical dimensions</th>
<th>100 x 50 x 25 mm (l x w x h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>11-14 V AC or 12-17 V DC</td>
</tr>
<tr>
<td>Current consumption</td>
<td>typ. 75 mA, max. 550 mA</td>
</tr>
<tr>
<td></td>
<td>(with external antenna and 11 FLCs)</td>
</tr>
<tr>
<td>Length of power cable</td>
<td>100 cm</td>
</tr>
<tr>
<td>Plug 1</td>
<td>for Dialock FLC or 6-fold power distributor (AMP Mate-N-LOK)</td>
</tr>
<tr>
<td>Plug 2</td>
<td>SMB for external antenna with LED</td>
</tr>
<tr>
<td>Plug 3</td>
<td>Type RJ11 (Western plug 4/6) for Dialock Output Extender</td>
</tr>
<tr>
<td>I/O terminal block</td>
<td>Cable core width max. 0.5 mm²</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>0° – 65°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>0 – 90 %, non-condensing</td>
</tr>
<tr>
<td>Output protection</td>
<td>0.5 A internal fuse against overload and short circuit at power output</td>
</tr>
</tbody>
</table>