

Montage- und Bedienungsanleitung
Mounting and Operating Instructions
Instructions de service et de montage
Istruzioni di montaggio ed uso
Instrucciones de montaje y de servicio



Dialock Furniture Terminal/Online (D)
Dialock Furniture Terminal/Online (GB)
Terminal de Meuble Dialock/Online (F)
Terminale per Mobili Dialock/Online (I)
Terminal de Mueble Dialock/Online (E)



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English

**Important!**

Before starting to operate the unit (assignment of keys) you must read the section „Start-up“ in the Installation and Operating Instructions for the Diallock Central Terminal (article no. 237.56.131).

Items supplied

- 1 Diallock Furniture Terminal/Online (DFT/O), factory setting Lock Cycle Mode* (falling-latch function), external aerial (art. no. 237.56.114)
or
factory setting Lock Cycle Mode* (falling-latch function), internal aerial (art. no. 237.56.124)

* see Basics, page 20

English



Fig. 1

The following Häfele products are not included in this supply:

- Programming key stick green (art. no. 917.04.012)
- Erasing key stick red (art. no. 917.04.021)
- User key stick black (art. no. 917.04.000)
(The red and green key sticks are only used once each, the black stick up to 199 times)



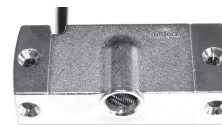
- External aerial (art. no. 237.56.130)
(The model with the internal aerial cannot be fitted with an external aerial)



- 6-pin distributor (art. no. 823.28.780)



- Lock case FLC (art. no. 237.56.000)



- Transformer (art. no. 821.80.041)



- End resistor
(supplied with the Dialock Central Terminal)



Field of use

The Dialock Furniture Terminal/Online (DFT/O) is part of the Dialock electronic locking system and is designed to control electromechanical locking devices in interior furniture and furniture groups for the safekeeping of valuable goods. Using the Dialock Central Terminal (CT art. no. 237.56.131), all the connected DFT/Os are administered centrally and easily.

Performance characteristics

- Simple and convenient operation
- Use of up to 200 user key sticks
- Control of up to 6 FLC lock cases, and with a second 6-pin distributor up to 11 FLC lock cases
The locking and unlocking pattern is the same (simultaneous) for each FLC lock case.
- Locking method: lock-cycle mode (falling-latch function)
- Network possibilities: up to 50 DFT/O units and a maximum overall cable length of 200 m.

Basics

Lock-cycle mode (falling-latch function) : When an authorised user key stick is held in front of the Dialock Furniture Terminal/Online, it unlocks all the lock cases connected to it for a certain previously set period of time (basic setting 3 sec., max. setting 30 sec.). During this period, the locking device (e.g. a locker) can be opened. The Dialock Furniture Terminal/Online then locks the lock case again automatically.

Instructions for Mounting

Safety notes



The voltage must be supplied through a safety transformer.



For safety reasons the transformer must be disconnected from the power supply during installation.

English

Installation conditions

To install the Dialock Furniture Terminal/Online, first determine the most suitable location and installation position for the following system components:

- Dialock Furniture Terminal/Online
- External aerial (model art. no. 237.56.114 only)
- Transformer
- 6-pin distributor
- Lock case FLC
- Online cabling (plan cable routes outside furniture carefully)



To ensure trouble-free function, the DFT/O with internal or external aerial must not be installed in metallic furniture. Aluminium or similar linings in the furniture may also cause malfunctions.



Ensure that the online cabling is correctly installed. Check the resistance of the wires.



When installing the individual system components, always follow the appropriate installation instructions.



To prevent electromagnetic interference, always install the components at a safe distance from electrical appliances, cables and magnets.



A sufficient distance must also be observed between several DFT/Os with internal or external aerial.



When laying, ensure that the cables and components are not crushed or pinched. Always ensure a sufficient distance from moving parts. If necessary, the cables should be extended with suitable cable extensions. All cables should be secured against slipping by means of suitable retainers (cable binders and holders, protective tubes or ducts).

Required Material and Tools (not supplied):

- Crosstip screwdriver
- Awl
- For wooden panelling: Hospa screws (Ø 3.5 mm x X mm, depending on panel thickness).
Other suitable screws, e.g. self-tapping screws for metal
- Various types of cable retainer

Installation

1. Position and fix the Diallock Furniture Terminal/Online and system components according to terminal-connection plan (Fig. 3).
2. Lay the connecting cables.
3. Attach plug to cable end of FLC lock case.
4. Connect plugs of connecting cables to Diallock Furniture Terminal/Online according to connection plan (Fig. 3).
5. Plug the end resistor into the last Diallock Furniture Terminal/Online in the series (see general diagram Fig. 2).

English



When selecting the position, ensure easy access for subsequent maintenance.

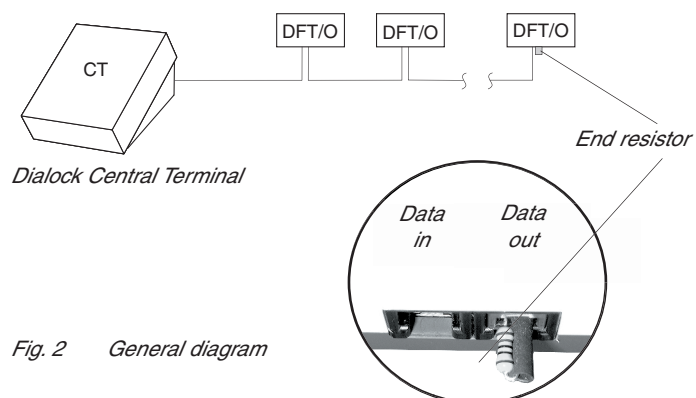


Fig. 2 General diagram

Connection Diagram

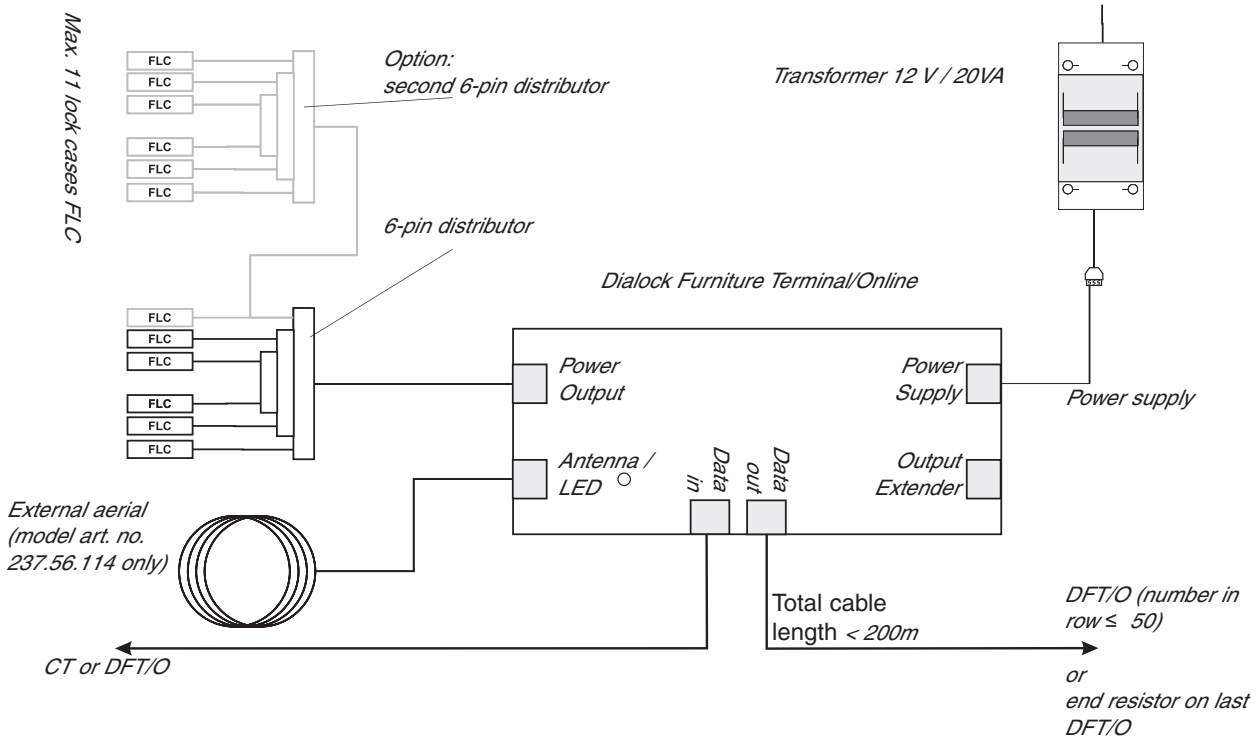


Fig. 3 Dialock furniture-locking system, type with external aerial

Dialock Furniture Terminal/Online

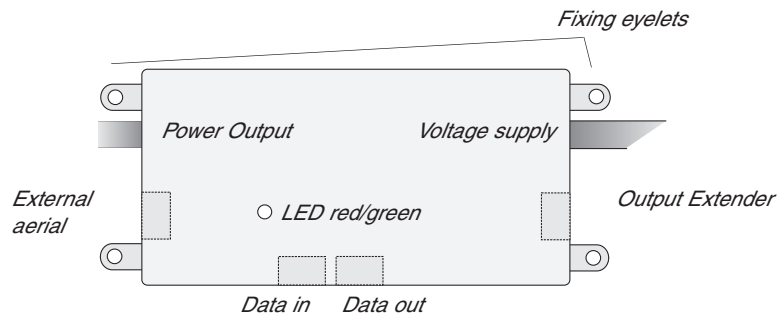


Fig. 4 Plug assignment

1. Fix position for the Dialock Furniture Terminal/Online. Observe sufficient clearance from transformers and electrical conductors. If necessary, the fixing eyelets can be turned by 90°. To do this, loosen the crosshead screws and turn the eyelets 90°. Then tighten the crosshead screws to finger tightness.
2. Using the awl, mark the location of the screws in the furniture panel.
3. Attach the Dialock Furniture Terminal to the furniture panel with 4 screws.

Positioning the Dialock Furniture Terminal/Online with internal aerial

When positioning the Dialock Furniture Terminal/Online with internal aerial, ensure that the outer wall is easily accessible.

The underside of the aerial contains the aerial and must point towards the outer wall.

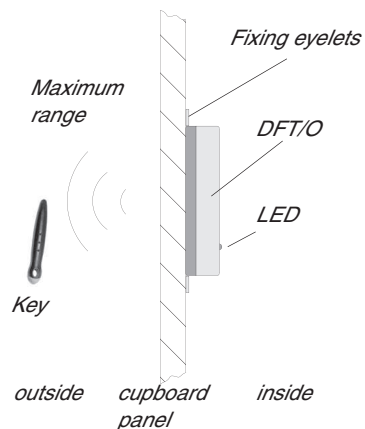


Fig. 5 outside cupboard panel inside

External Aerial (model with response, art. no. 237.56.114)**Follow the installation instructions for the external aerial!****Protect the cable of the external aerial from tension (tugging).**

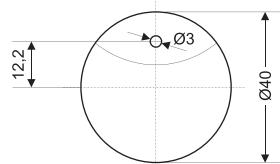
⇒ If necessary provide a pull-relief device.

Protect the cable to prevent breaking.

⇒ Do not bend the cable sharply.

English

1. Position the external aerial in such a way that the LED points upwards.
2. If necessary, cut a recess in the panel.
3. Use the awl to mark the position of the screws.

*Fig. 6 Markings on front foil of external aerial*

4. Attach the external aerial with 2 screws
5. Press the front foil onto the panel so that it coincides with the LED of the external aerial.

Transformer



Ensure that the transformer is correctly installed. Ensure sufficient clearance between the transformer and the Diallock Furniture Terminal/Online!

1. Fix the position for the transformer.
2. Mark the position of the screws with the awl.
3. Attach the transformer with 3 screws.

6-Pin Distributor



The 6-pin distributor and all connections must be easily accessible after installation.

1. Push the plug of the 6-pin distributor into the socket marked „Power Output“ on the Diallock Furniture Terminal.
2. If necessary, secure the 6-pin distributor with a cable retainer.
3. Connect the optional second 6-pin distributor as shown in Fig. 3, page 24.

FLC Lock Case



Follow the instructions for installing the FLC lock case

Plug

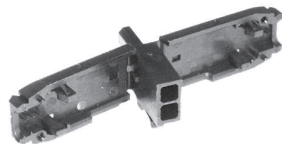


Before attaching the plug, lay the cable from the FLC lock case to the Diallock Furniture Terminal/Online or 6-pin socket. If the plug is attached, it is not possible to push the cable through small holes or grooves. Once the plug is attached to the cable it is not possible to remove it without damage.

English

The plug at the end of the connection cable of the FLC lock case is attached as follows:

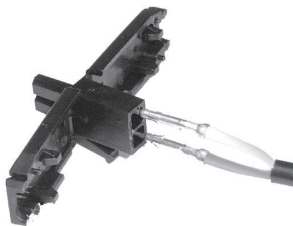
1. Pull the sides of the plug apart.



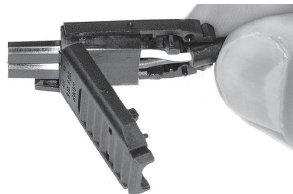
2. Pull the two wires apart.



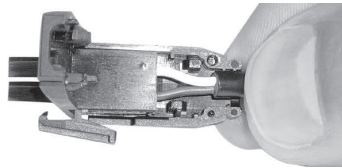
3. Push the wires into the plug until they clip into position.



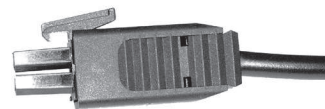
4. Close one side of the plug and press the cable into position.



5. Check the position of the wires. Do not crush the wires when closing the other side of the plug.



6. The plug is now ready for use.



Connection cables

Connect the cables of the individual system components as shown in Fig. 2 (page 23) and Fig. 3 (page 24).

Switching the power on



Before switching on the power supply to the transformer, read the instructions for installing and operating the Dialock Central Terminal!

When the voltage supply is switched on, the Dialock Furniture Terminal/Online is ready for operation in the „Start-up“ mode.

The Dialock Furniture Terminal/Online is fully installed.

A function test is only possible after completion of the start-up of the Central Terminal and assignment of a user key stick.

Operation



First teach the user keystick at the Diallock Central Terminal.

1. Hold the user key stick in front of the external aerial (or in the case of an internal aerial, in front of the Diallock Furniture Terminal/Online). The LED glows green.
2. The element being switched i.e. FLC lock case or lock cases are then unlocked for the set open time (manufacturer's setting approx. 3 sec.).

If the LED does not switch from red to green:

- ⇒ hold the user key stick closer to the external aerial (or in the case of an internal aerial, in front of the Diallock Furniture Terminal/Online).

If the LED still does not switch from red to green:

- ⇒ the user stick has no authorisation.

Technical Data

| | |
|---------------------------|---|
| Dimensions | 100 x 50 x 25 mm (l x w x h) |
| Voltage supply | 11-14 V AC, or 12-17 V DC |
| Power consumption | 75 mA, max. 550 mA (with external aerial assembly and 11 FLC lock cases) |
| Power-supply cable length | 100 cm |
| Socket 1 | for 6-pin distributor (AMP Mate-N-LOK) |
| Socket 2 | for external LED and external aerial type RJ11 (western socket 4) |
| Socket 3 | for Dialock Output Extender type RJ11 (western socket 4/6) |
| Socket 4 und 5 | for „Data in“ and „Data out“ type RJ11 (western socket 4/6) |
| Temperature range | 0 – 65 °C |
| Air humidity | 0 – 90 % non condensing |
| Fuse | 0,5 A internal (for overload and short circuit) at output for FLC lock case. |