



UNIVERSITY OF MICHIGAN
COLLEGE OF ENGINEERING
THE RADIATION LABORATORY
DEPARTMENT OF ELECTRICAL ENGINEERING
AND COMPUTER SCIENCE

3228 EECS BUILDING
1301 BEAL AVENUE
ANN ARBOR, MICHIGAN 48109-2122
734 764-0500 FAX 734 647-2106
<http://www.eecs.umich.edu/RADLAB/>

Re: Certification for Hafele DMT 32 Transmitter
Model: DMT 32
FCC ID: PW3107

USER'S MANUAL INFORMATION

(PRELIMINARY)

The User's Manual is in preparation. The following material will be contained in the manual:

FCC ID: PW3107

CANADA: to be provided by IC

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

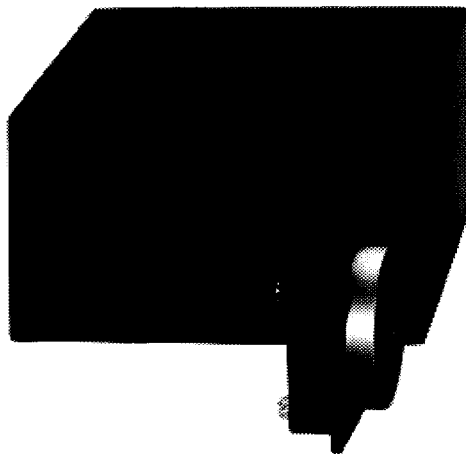
Dialock Furniture Safe

Areas of application

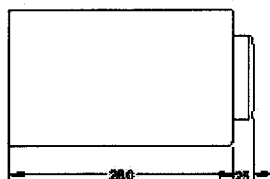
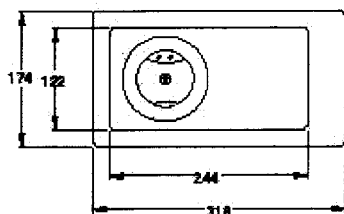
- For use with all Dialock solutions
- Added functions within Complete Solution
- For use with Dialock Tiris Transponders
- Protection of valuable items in the hotel, office, spas, clinics, residential and other buildings

Function

- The locking action is activated if an authorized electronic key is presented to the reader module.



Model: DMT 32



Features

- Electro-mechanical locking

Electronic control unit:

- Reader module for data exchange with electronic keys
- Reader Module is activated by pressing a button
- LEDs red/green for visual indication of programming process/locking status/battery status
- Audit Trail-stores up to 150 access attempts *
- Integrated real-time clock for the programming of time limited locking authorization *
- Infrared interface for communication with mobile programming devices *

Power

- Uses 4 AA alkaline high-performance batteries-1.5V
- Battery change after approx. 6000 locking cycles or 2 years
- If batteries are dead, reader module can be powered by attaching the external batteries

Configurations

- Simple solution - Please order programming key sticks separately.
- *Complete solution - Please order programming key sticks separately.

Finish

- Single walled carbon steel
- Color: RAL 9005 (deep black) paint

Technical data

Weight:	16 kg
Wall Thickness:	2 mm
Thickness of front panel and door :	6 mm
Number of locking bolts:	2

Installation

With 2 bolts, the safe can be attached to the wall or to the floor

Supplied with

- Safe
- 4 batteries- AA alkaline high-performance 1.5V
- External emergency power supply

Model No: DMT 32

Cat. No. 836.46.911

Packing: 1 pc.

HÄFELE

Locks, Catches, RTA
and PAS® Fittings
Shelf Supports
Bed Fittings

2

dialock
HÄFELE

Dialock Furniture Safes

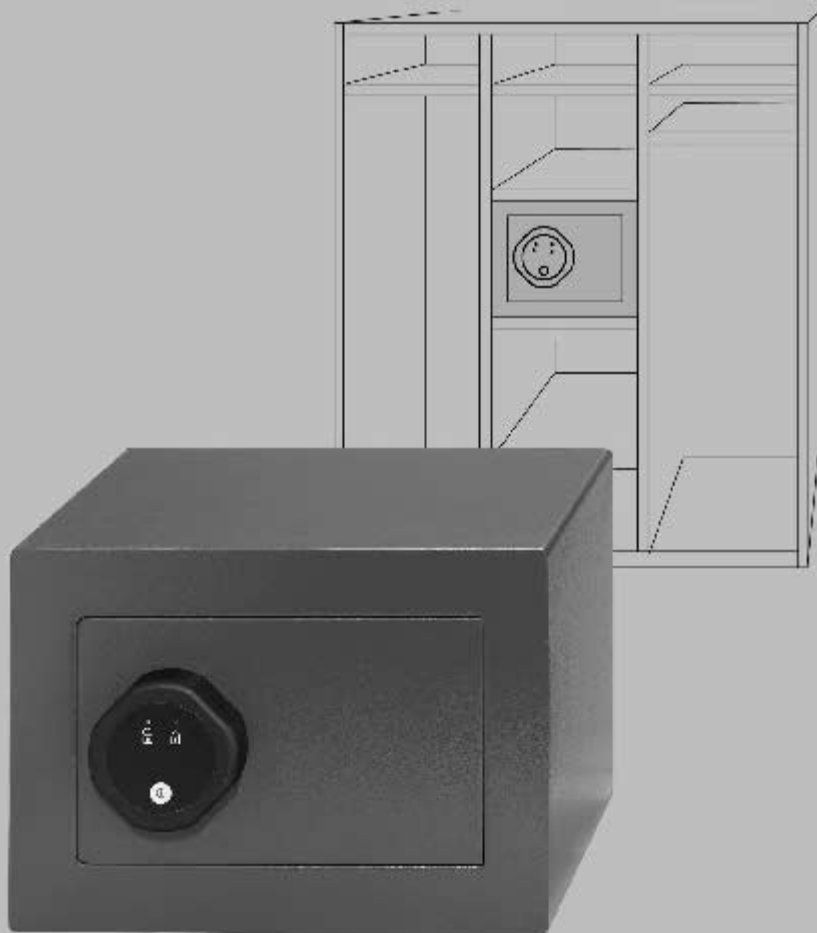
Programming keys
sticks.....page 2.69

**For details contact
dialock Department
Architectural Products Group
1-888-437-7477 or
+1-336-889-2322**

Dimensional data not binding.
We reserve the right to alter
Specifications without notice.

2.71B

**Montageanleitung
Mounting instructions
Instructions de montage
Istruzioni di montaggio
Instrucciones de instalación**



Tresor TM3, TM4

Safe TM3, TM4

Coffre-fort TM3, TM4

Cassaforte TM3, TM4

Caja fuerte TM3, TM4

Technical information

All safes are supplied in the basic method of operation.

In this method of operation, locking authorisations can be allocated to personnel keys directly at the safe with a special programming key stick (green). The locking authorisations are withdrawn again directly at the safe with a clearing key stick (red).

Guest keys are authorised via the software Hotel.

The configuration takes place when the system is initiated.

Technical data:

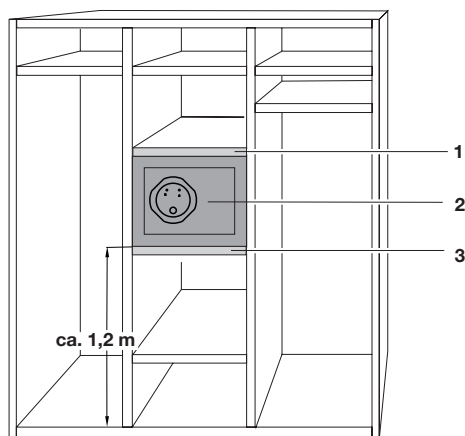
weight	
TM3	13 kg
TM4	19 kg, with removable shelf (sheet steel)
thickness of steel material	2 mm, single walled
thickness of front plate and door	6 mm
safety level	A according to VDMA, norm 24992
number of locking bolts	2

Supply schedule

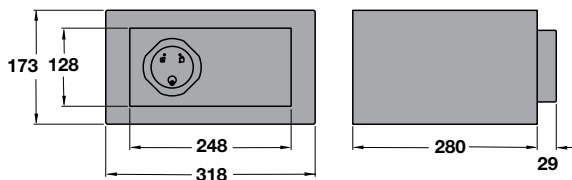
- safe
- safe TM4: removable shelf (sheet steel)
- four Mignon-1,5-V-batteries (already inserted)
- battery holder TRE emergency power supply

Installation

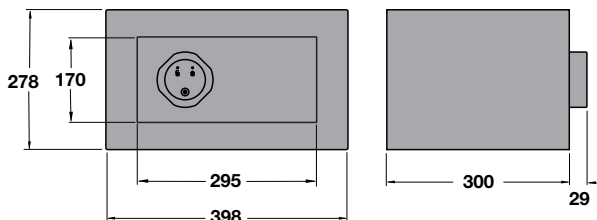
The safe is designed for installation into furniture.



- 1 end plate (19 mm thick)
- 2 safe
- 3 base plate (35 to 40 mm thick)



Built-in dimensions of safe TM3



Built-in dimensions of safe TM4

1. Glue and screw fix the base plate to the side panels of the cabinet at approx. 1.2 m above the cabinet base.
2. Glue and screw fix the end plate to the side panels of the cabinet above the base plate.
3. Insert the safe.

Screw fix the safe in the cabinet

1. For screw fixing to the rear panel of the cabinet: from the inside of the safe, push two screws through the 10 mm drillings in the back panel of the safe and screw fix the safe to the cabinet.
2. For screw fixing to the base plate: from the inside of the safe, push four screws through the 8 mm drillings in the base of the safe and screw fix the safe to the base plate.

Initiation

Allocation of programming and clearing key stick

In the basic method of operation, the programming and clearing key sticks must be allocated during the first initiation.

Avoid misuse of the electronic keys by unauthorised persons: keep the programming and clearing key sticks in a safe place, as these will allow allocation of locking authorisations to an electronic key.

1. Have the green programming key stick and the red clearing key stick ready.
2. Push the white button on the display of the safe.
the green indicator (LED) flashes for a few seconds.
3. Hold the green programming key stick in front of the display, whilst the green LED flashes.

The red indicator (LED) is illuminated once as confirmation of the allocation process, afterwards it flashes.

4. Hold the red clearing key stick in front of the display, whilst the red LED flashes.

The green indicator (LED) flashes for a few seconds.

The safe switches off automatically.

If errors occurred during the allocation:

- ⇒ switch the safe back on.
- ⇒ re-allocate the programming and clearing key stick.

If errors re-occur:

- ⇒ contact your Dialock sales office.

Brief operating instructions for the basic method of operation**Allocation of locking authorisations to a personnel key**

1. Push the white button on the display.
The red indicator (LED) is illuminated.
2. Hold the green programming key stick in front of the display.
The green indicator (LED) flashes.
3. Hold the personnel key to be allocated in front of the display within 5 seconds.
The green indicator (LED) is illuminated briefly.
The access authorisation for the personnel key to be allocated has been given.
4. Remove the allocated personnel key.
The safe switches off automatically.

If the red indicator (LED) is illuminated, the attempt was unsuccessful:
⇒ repeat the allocation of locking authorisations.
5. Hold the next personnel key to be allocated in front of the display in intervals of 5 seconds.

Withdrawal of locking authorisations from the personnel key

1. Push the white button on the display.
The red indicator (LED) is illuminated.
2. Hold the red clearing key stick in front of the display.
The red indicator (LED) flashes.
3. Hold the personnel key to be deleted in front of the display.
The red indicator (LED) is illuminated briefly.
The locking authorisation is withdrawn.
The safe switches off automatically.

Withdrawal of locking authorisations from all personnel keys

When a personnel key is lost and should no longer have any locking authorisations, all personnel keys have to be deleted at the safe. Afterwards, all respective personnel keys re-allocated with locking authorisations.

1. Push the white button on the display.
The red indicator (LED) is illuminated.

2. Hold the red clearing key stick in front of the display.
The red indicator (LED) flashes..
3. Hold the green programming key stick in front of the display.
The red indicator (LED) is illuminated briefly.
The locking authorisations are withdrawn.
4. Re-allocate locking authorisations to all personnel keys, which need to retain these.

Change of batteries

When the batteries are weak, the red and green indicators (LED) flash alternately once the safe is switched on.

The smooth operation of the safe is only guaranteed, if the batteries are replaced immediately.

1. Open the battery compartment on the inside of the safe door with a cross slot screw driver.
2. Insert four new mignon-1,5-V-batteries (cat. no. 910.54.980). Make sure, the polarity is correct!
3. Close and screw fix the battery compartment.

Emergency opening

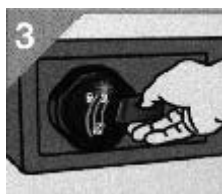
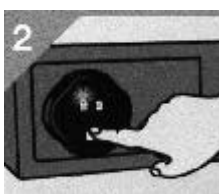
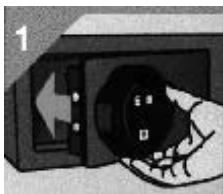
1. Connect the battery holder TRE emergency power supply on the underside of the display.
2. Hold the valid key in front of the display.
3. Open the safe door.
4. Change the batteries.

Operation

Guest keys are allocated automatically, when locking the safe for the first time.

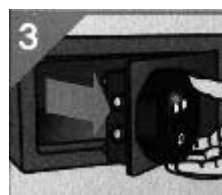
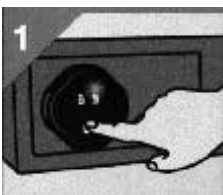
Up to four guest keys can be allocated per safe.

Locking of the safe



1. Close the safe door.
2. Push the white button on the display.
The green indicator (LED) is illuminated.
3. Hold the electronic key in front of the safe.
The green and the red indicators (LED) flash alternately and the bolts move audibly.
The red indicator (LED) is illuminated.
The safe is locked.

Opening of the safe



1. Push the white button on the display.
The red indicator (LED) is illuminated.
The safe is switched on.
2. Hold the electronic key in front of the safe.
The green and red indicators (LED) flash alternately and the bolts move audibly.
The green indicator (LED) is illuminated.
3. Open the safe door.

Montaganleitung 732.29.108

Der Nachdruck der Montageanleitung, auch auszugsweise, oder die Nachahmung der Abbildungen und Zeichnungen sowie die Nachahmung der Gestaltung sind verboten.

Für Druckfehler und Irrtümer, die bei der Erstellung der Montageanleitung unterlaufen sind, ist jede Haftung ausgeschlossen.

Liefermöglichkeiten und technische Änderungen vorbehalten.

Stand 06.00

Mounting instructions 732.29.108

The reprint of the mounting instructions, even extracts, or copying of the illustrations and drawings as well as copying of the layout are prohibited.

No liability is accepted for printing errors or errors occurred during the creation of the mounting instructions.

We reserve the right for technical changes and changes of availability.

Status 06.00

Instructions de montage 732.29.108

Il est interdit de reproduire les instructions de montage ou d'en imprimer des extraits, d'en copier des illustrations et des dessins ou d'en imiter la présentation.

Il ne sera assumé aucune responsabilité quant aux erreurs et fautes pouvant résulter de l'impression de ces instructions de montage.

Tous les droits de possibilités de livraison et de modifications techniques sont réservés.

Version du 06.00

Istruzioni di montaggio 732.29.108

E' vietata la copia delle istruzioni di montaggio, anche soltanto parziale, oppure delle raffigurazioni e dei disegni come anche la riproduzione del layout.

E' esclusa qualsiasi responsabilità nei nostri confronti in caso d'errori di stampa e sbagli, sorti durante la produzione delle istruzioni di montaggio.

Con riserva di ulteriori possibilità di fornitura e di modifiche tecniche.

Stato 06.00

Instrucciones del instalación 732.29.108

Queda rigurosamente prohibida la reproducción total o parcial de esta documentación, así como la imitación de sus ilustraciones, dibujos o diseño.

No nos hacemos responsables en manera alguna de las erratas o equivocaciones que pudieran existir en estas instrucciones de instalación.

Nos reservamos la posibilidad de suministro y los derechos a modificación.

Versión del 06.00

Copyright

Häfele GmbH & Co

Adolf-Häfele-Strasse 1 · D-72202 Nagold

Postfach 1237 · D-72192 Nagold

Telefon +49 (0) 74 52 / 95-0

Telefax +49 (0) 74 52 / 95-200

E-Mail: info@haefele.de · www.haefele.de