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Attention!

It is essential that you read the "Commissioning" section (see Page 56 ff.) of these instructions before commissioning (assignment of keys).

General Information

Area of use

The Door Terminal is an electronic door fixture used principally in the hotel sector. It is mounted on interior doors with mortise locks complying with DIN 18 251, and can also easily be retrofitted on the door. For emergency opening it is recommended that a standard profile cylinder be used. Depending on the design of the mounting plate on the Door Terminal, it can also be mounted on doors whose mortise locks deviate from DIN 18 251. Please contact your Dialock sales office for situations involving special doors (FH, RS, etc.).

Technical information

- All Door Terminals are supplied to operate in simple operating mode. In this operating mode, up to 740 user keys can be assigned directly at the Door Terminal with a special programming ADD key (green). These access rights can be withdrawn from an authorised user key at the Door Terminal using a programming DELETE key (red). Please contact your Dialock sales office if a different operating mode is required.
- The Door Terminal consists of the outer module (mounting plate with bracket and cover) that is mounted on the outside of the door, and an inner module (mounting plate, battery mounting and cover), that is mounted on the inside of the door.
- The Door Terminal has an infrared interface.
- The Door Terminal is battery-powered, and operated by means of user keys.
### Scope of delivery

**Door Terminal:**
- 1 outer module (mounting plate with bracket and cover)
- 1 inner module (mounting plate with battery mounting and cover)
- 2 door levers with one setscrew each
- 1 connection cable (160 mm long) for the outer module

**Small parts bag:**
- 1 retaining ring
- 1 pin 3 x 22
- 1 pin 4 x 22
- 5 countersink screws, M3 x
- 2 clamping plate screws, 3 x 20
- 2 adhesive labels for covering the pins
- 2 setscrews for the door levers

Fastening parts:
- 1 spindle, 8 mm
- 4 countersink screws, M4

The lengths of the fastening parts depend on the thickness of the door.
Accessories (not supplied with Door Terminal):
Please see “Der Große Häfele” (Locking and hardware technology for doors)

User and Programming Key-sticks

4 Mignon batteries

1 release lever

1 pair of retaining ring pliers

1 distance plate

1 drilling template for DIN mortise locks
Spare parts (not supplied with Door Terminal)

1. 1 cover for the outer module (available in a variety of colors)
2. 1 bag of fastening parts for the outer module (recessed spindle and countersink screws, M4)
3. 1 small parts bag for the outer module
4. 1 mounting plate for the outer module
5. 1 cover for the inner module (available in a variety of colors)
6. 1 battery mounting (inner module), complete
7. 1 mounting plate for inner module
8. 1 small parts bag for the inner module
Mounting

Requirements:
• DIN mortise lock (compliant with DIN 18 251)

Depending on the design of the mounting plate, it also possible to use mortise locks on the Door Terminal that deviate from the DIN norm (e.g. for Austria).

The length of the following Door Terminal components depends on the thickness of the door and must therefore be selected appropriately:
• the countersink screws
• the spindle

Tools required and auxiliary mounting materials:
• a full-version drilling template
• an electric drill
• drill bits suitable for the door material:
  - Ø = 8 mm
  - Ø = 16 mm (drilled hole for the connection cable)
• a hammer
• retaining ring pliers
• a screwdriver
• a 3 mm Allen wrench
Adapting the Door Terminal for right-facing door levers

The Door Terminal is adapted for left- or right-facing door levers using the pins on the back of the mounting plate (with the bracket).

1. Place the door lever on the external spindle of the bracket in such a way that the direction of door lever movement is appropriate for its use.

   System with *right-facing* door lever

2. Turn the external spindle, with the door lever, to its upper limit (zero position) and hold it.
3. Using a hammer, lightly tap a 3 x 22 pin into the drilled hole labelled "R" on the back of the mounting plate. The spring of the door lever is under pressure.

4. Insert a 4 x 22 pin in the drilled hole labelled "R45°" on the back of the mounting plate for the door lever limit.
   If the door lever angle of rotation is to be greater than 45°:
   - Insert a 4 x 22 pin in the drilled hole labelled "R80°" on the back of the mounting plate.

5. Secure the pins with the adhesive labels so that they do not fall out.

Attention!
→ Do not damage the pin connector when tapping pin in!
6. Remove the door lever from the external spindle.
The Door Terminal is adapted for a right-facing door lever.
Proceed as follows if the pins have been inserted in the wrong side:
- Remove the 8 screws in the mounting plate.
- Remove the mounting plate from the bracket.
- Pull the pins out of the bracket, using pliers if necessary.
- Place the mounting plate on the bracket.
- Tighten the screws.
- Repeat the adaptation process.

Open electronic components!
- Do not damage them.
Adapting the outside module for a left-facing door lever

The Door Terminal is adapted for left- or right-facing door levers using the pins on the back of the mounting plate (with the bracket).

1. Place the door lever on the external spindle of the bracket in such a way that the direction of the door lever movement is appropriate for its use.

2. Turn the external spindle, with the door lever, to its upper limit (zero position) and hold it.

System with left-facing door lever
3. Using a hammer, lightly tap a 3 x 22 pin into the drilled hole labelled "L" on the back of the mounting plate. The spring of the door lever is under pressure.

4. Insert a 4 x 22 pin in the drilled hole labelled "L45°" on the back of the mounting plate for the door lever limit.
   - If the door lever angle of rotation is to be greater than 45°:
     - Insert a 4 x 22 pin in the drilled hole labelled "L80°" on the back of the mounting plate.

5. Secure the pins with the adhesive labels so that they do not fall out.
6. Remove the door lever from the external spindle.
   The Door Terminal is adapted for a left-facing door lever.
   If the pins have been inserted in the wrong side, proceed as follows:
   - Remove the 8 screws in the mounting plate.
   - Remove the mounting plate from the bracket.
   - Pull the pins out of the bracket, using pliers if necessary.
   - Place the mounting plate on the bracket.
   - Tighten the screws.
   - Repeat the adaptation process.

**Open electronic components!**
- Do not damage them.
Mounting the spindle socket

1. Turn the marking (1) (tappet) of the coupling device (2) in direction R.
2. Before inserting the square socket into the coupling device, align it so that the groove of the square socket with the headless screw of the door handle is pointing in the same direction.
Mounting and Operating Instructions

3. Insert the square socket into the inner coupling device so that the pins sit in the recesses of the coupling device.

4. Using suitable pliers, insert the securing ring into the groove of the inner coupling device. Ensure that the opening of the securing ring does not lie over any of the upper square-socket pins.

The square socket is now installed.

Note:
Following the installation of the square socket on the outer module, the marking (tappet) of the coupling device must always point in direction R. When inserting into the lock, the square socket must not be twisted.

Mounting the Door Terminal
The following steps are necessary for mounting the Door Terminal:
• drill holes for the mounting screws and the connection cable,
• attach the outside module of the Door Terminal,
• attach the inside module of the Door Terminal,
• set up the Door Terminal for operation.

Mounting on wooden doors is described below.

Condensation forming on cold components may damage the Door Terminal.
⇒ Ensure that all components are at ambient temperature.
Drilling the holes for the mounting screws and the connection cable

1. Place the drilling template with the mandrel for the door lever socket on the door. Make sure that the vertical axis of the template is accurate.

2. Using the appropriate drill bit ($\varnothing = 8\, \text{mm}$ or $\varnothing = 16\, \text{mm}$), drill holes in the door on both sides up to the mortise lock or the middle of the door.
   - Drill holes for the mounting screws in the outside of the door with a drill bit of $\varnothing = 8\, \text{mm}$.
   - Drill the hole for the connection cable in the inside of the door with drill bits of $\varnothing = 16\, \text{mm}$.
Door Terminal drilling template, EU version
Mounting the outside module

Note:
Following the installation of the square socket on the outer module, the marking (tappet) of the coupling device must always point in direction R. When inserting into the lock, the square socket must not be twisted.

1. Thread the connection cable through the drilled hole. Pay attention to the cable inlet!
2. Place the mounting plate and bracket on the outside door in such a way that the retaining pins of the mounting plate are located in the drilled holes in the door, and the spindle socket is sitting in the door lever socket in such a way that the slot for the setscrew is pointing in the direction of the strike plate.
3. Ensure that the mounting plate is lying flat on the door.
   - If the mounting plate is not lying flat:
     - Check the drilled holes and, if necessary, remove wood shavings.
     - Use a distance plate if the distance between the outside surface of the door and the lock chamber is less than 8 mm.

Mounting of the outside module has been completed.
1. Place the mounting plate of the inside module on the inside of the door.

2. Firmly attach the mounting plate to the outside module with the four mounting screws.
3. Place the connection cable in the cavities of the mounting plate and bend at the marking.
4. In order to set the turning direction of the door lever, turn the cam disc in the battery mounting to the right or left limit stop. The magnet of the cam disc points towards the strike plate. In simple operating mode the cam disc may be removed completely. This increases the lifetime of the batteries.

5. Place the battery mounting on the spindle socket and attach the connection cable plugs to the electronics of the battery mounting.

6. Place the battery mounting on the mounting plate. Ensure that the connection cable is not pinched between the two plates.
7. Attach the battery mounting to the mounting plate with 5 M3 x 6 flat-head screws.

8. Use a door lever to check that the system moves freely.

9. Attach the outside and inside modules to the door with one 3 x 20 clamping plate screw each.

⚠️ Do not damage the sensitive cable connectors!

Mounting of the Door Terminal has been completed.
Setting up the Door Terminal for operation

1. Attach the outside module cover:
   - Place the lower part of the cover on the bracket in such a way that the cover's guides sit in the bracket's rails
   - Press the upper part of the cover backwards onto the bracket until it snaps in with an audible click. Make sure that the sensitive cable connectors are not damaged in the process.

2. Use a setscrew (small parts bag).
   Place the door lever on the external spindle in such a way that the setscrew points in the direction of the locking plate.

3. Tighten the setscrew.

4. Insert 4 AA batteries in the battery module of the battery mounting. Use correct polarity! (See also "Changing the batteries")

5. Attach the inside module cover in the same way as the outside module cover.

6. Mount the inside door lever. (As in Steps 2 and 3)

The Door Terminal is ready for operation.
Disassembly

Tools required:
- screwdriver
- release lever tool
- 3 mm Allen wrench

1. Undo the setscrews of the door levers
2. Remove the door levers.

3. Press the upper part of the cover against the door to remove the load from the magnets of the bracket.
4. Use the release lever tool to remove the covers of the inside and outside modules.
5. Remove the batteries from the battery compartment.
6. Loosen the clamping plate screws at the top of the mounting plates (inside and outside).
7. Loosen the 5 countersink screws of the battery mounting and remove the battery mounting from the mounting plate.
8. Loosen the 4 mounting screws of the inside module mounting plate.
9. Remove the outside module and the mounting plate of the inside module from the door.

Disassembly of the Door Terminal has been completed.
Commissioning

Assigning the Programming ADD and DELETE keys

In simple operating mode the Programming ADD and DELETE keys must be assigned during commissioning.

Attention!

In order to prevent abuse of the user keys by unauthorised persons:
keep Programming ADD and DELETE keys in a safe place.

1. Get the green programming ADD key and the red programming DELETE key and keep them close by for the following steps.
2. Press the white button on the display. The green LED blinks for a few seconds. The Door Terminal is switched on.
3. Present the green programming ADD key in front of the Door Terminal while the green LED is blinking. The green LED lights up in confirmation. After removal of the green programming ADD key the red LED blinks.
4. Present the red programming DELETE key in front of the Door Terminal while the red LED is blinking. The red and green LEDs light up simultaneously. The Door Terminal switches off automatically. Assignment of the Programming ADD and DELETE keys has been completed.

If errors occur during assignment:

Switch on the Door Terminal again. (See Step 2)
Assign the Programmer and Deletion Key-sticks again.
If errors re-occur:
Contact the Dialock sales office.
Operating instructions, simple mode

Assigning access rights
1. Select the user key to be granted access rights.
2. Press the white button on the display. The red LED lights up. The Door Terminal is switched on.
3. Present the green programming ADD key to the front of the Door Terminal. The green LED flashes.
4. Present the user key to be granted access rights to the front of the Door Terminal within 5 seconds. The green LED is briefly lit. Access rights are assigned to the user key to be granted access rights.
5. Remove the user key from the reader field.
6. Present each of the next user keys to be granted access rights to the front of the Door Terminal within 5 second intervals for each of them. After approximately 5 seconds the Door Terminal automatically switches itself off.

Withdrawing access rights
1. Prepare the user key to be deleted and the red programming DELETE key.
2. Press the white button on the display. The red LED lights up. The Door Terminal is switched on.
3. Hold the red Deletion Key-stick in front of the display. The red LED flashes.
4. Hold the user key to be deleted in front of the Door Terminal. The red LED briefly lights up.

The user key’s access rights have been removed.
Mounting and Operating Instructions

Withdrawing access rights from all user keys
If an user key is lost and should no longer retain its access rights, the access rights of all user keys must be withdrawn at the Door Terminal. After this, all the remaining user keys that are to have access rights assigned to them must be retrained.

1. Present the red programming DELETE key to the front of the display of the Basis Door Terminal. The red LED blinks.
2. Present the green programming ADD key to the front of the display of the Door Terminal. The red LED lights up briefly. The access rights of all the user keys have been withdrawn.
3. All those keys that are to retain access rights must be re-trained access rights.

Operation

Opening the Door Terminal
1. Press the white button on the display. The red LED lights up. The Door Terminal is switched on but the door lever remains uncoupled.
2. Present a user key with access rights a few centimeters from the Door Terminal. The green LED lights up, the red LED goes out. The coupling of the door lever engages and the door can now be opened.

If the LEDs do not switch from red to green:

➢ Present the user key closer to the Door Terminal.

If the red LED goes out without the door opening:

The user key does not have access rights.

➢ Open the Door Terminal with an user key with access rights.

After approximately 3 seconds the Door Terminal closes automatically; the door lever is uncoupled.

If the automatic closing mode (uncoupling of the door lever) is to be changed:

➢ Contact a Dialock technician.
Replacement of batteries

When the batteries are weak, the red and green LEDs blink alternately after the Door Terminal has been switched on. If the batteries are empty, the door with the Door Terminal can no longer be locked.

We recommend that the batteries are changed at least every two years, to prevent any possible damage being caused by leakage of the batteries.

Do not put batteries in the trash!

Dispose of batteries in an environmentally friendly manner, e.g. at a local collection point.

Changing the batteries

1. Loosen the setscrew of the door lever on the inside of the door.
2. Remove the door lever from the spindle socket.
3. Press the upper part of the cover against the door to remove the load from the magnets of the bracket.
4. Place the release lever tool on the cover from above in such a way that the back edge of the tool engages between the door and cover and the magnets of the release lever tool are located above the magnets of the bracket.

5. Press the upper part of the release lever tool in the direction of the door. The upper part of the cover is released from the bracket and tips forward.

6. Gently raise the lower part of the cover and pull it out of the guiding rails. The cover is removed from the bracket.

7. Remove the empty batteries from the battery compartment.

8. Insert the new batteries in the battery compartment. **Use correct polarity!**
9. Place the lower part of the cover on the bracket in such a way that the cover guides are located in the rails of the bracket.

10. Press the upper part of the cover back on the bracket, until it audibly snaps into place. Take care not to damage the sensitive plug-in connections.

11. Place the door levers on the spindle in such a way that the setscrews point in the direction of the strike plate.

12. Tighten the setscrews.

Replacement of the batteries has been completed. The Door Terminal is again ready for operation.
Emergency opening via the profile cylinder

An emergency opening of the Door Terminal can be carried out with a key via the profile cylinder.

1. Loosen and remove the door levers (see Changing the batteries: Steps 1-2).

2. Remove the cover (see Changing the batteries: Steps 3-6).

The profile cylinder is accessible so that the emergency opening can take place.