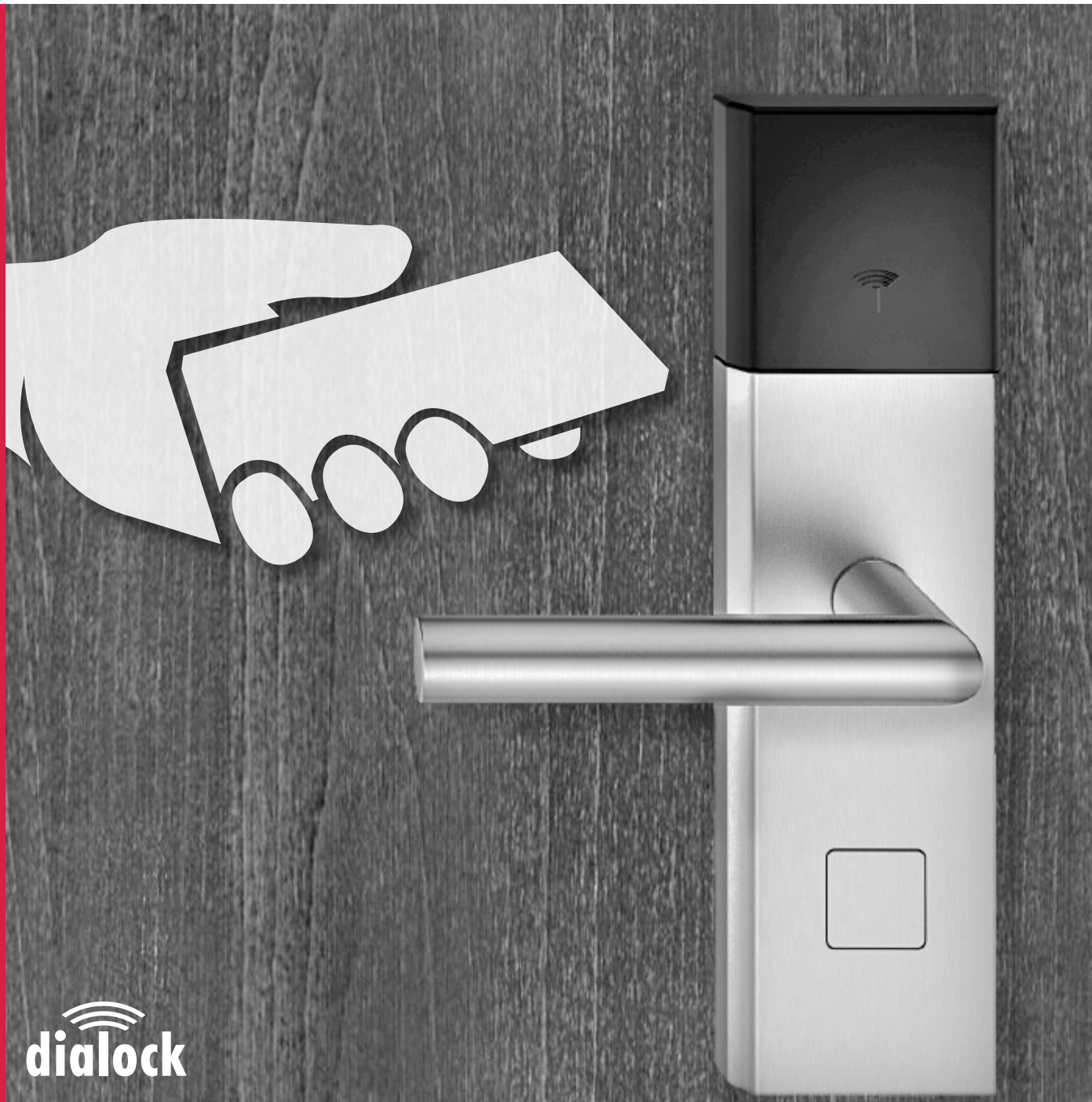
HÄFELE



dialock

THE ELECTRONIC ACCESS CONTROL SYSTEM

ENGINEERED BY HÄFELE

www.hafele.com.au

DIALOCK 2016

THE ELECTRONIC ACCESS CONTROL SYSTEM

Dialock access control system from Häfele offers touchless locking and unlocking combined with comprehensive access management in the hotel industry, the health business, in industrial and office buildings or in public buildings, from the entrance door to the furniture drawer. This system has been in a state of continuous further development for over 20 years. The new generation of Dialock that was introduced at the Bau trade fair in Munich in 2015 a number of new features. Dialock makes life easier for the user and for the operator as well, because with Dialock everything is possible and everything is easy: Easy to configure (adaptation to every type and size of project). Easy to network (connection to existing systems). Easy to operate (installation as well as control of access management). Easy does it (consultation, remote maintenance and on-site service). Of course Dialock is compatible with the three well-known transponder technologies “Mifare”, “Legic” and “Tag-IT”.

Dialock from Häfele can unlock everything from doors to cabinets, operate lifts and vending machines, organise any number of access points and users in locking plans as well as select and combine technical standards and functionality. Dialock has the individual answer to any requirement.

Dialock terminals can be operated online (either wired or wireless) or they can be operated offline. Dialock can be easily networked with your time and attendance system, building services or billing systems.

Operation is also amazingly easy. The user simply holds the Dialock card above the terminal without touching it. Access control managers can quickly obtain an overview of all locking procedures, organise locking authorisations with ease and change them in an instant if required. The high quality of the components assures reliable operation. The all-round service, including the remote maintenance and the on-site service offers additional security and piece of mind.

NEW DOOR TERMINALS WITH THE BEST PRICE/ PERFORMANCE RATIO

The new Dialock door terminals are being launched under the motto of Dialock “Simply Easy”, and is made easy to use by the customer by means of wireless solutions and the integration of remote maintenance, among other things. In addition to the further development of the software, Häfele presents two new door terminals: The DT 700 as a long backplate version, and the DT 710 rose and escutcheon version. This new door terminal generation is characterised by having a well thought-out system of technology, programming and use of materials combined with an optimised design.

The DT 700 is a robust standard fitting for interior doors made from matt stainless steel or polished brass. The DT 710 is a subtle rose and escutcheon fitting, with possible customised design. Both the DT 700 and the 710 terminals are equipped with an LED indication for locking / unlocking and a “Do not disturb” function. Couple those features with a myriad of different lever handle designs as well as an attractive price/ performance ratio makes the new door terminals particularly interesting.

ENGINEERED BY HÄFELE

CONTENTS

DIALOCK DOOR TERMINALS

PAGE

06-19

For convenient locking and unlocking of guest room and interior doors. Battery operated. Cost effective, in comparison to wired solutions. Easy installation.

DIALOCK WALL TERMINALS

PAGE

22-35

Ideal solution for high usage openings, automatic doors, turnstiles, elevators and vending machines.

PROGRAMMING AND USER KEYS

PAGE

38-45

Easy programming and encoding of the Dialock key from your hotel management system (HMS) using Dialock software. The mobile data unit is used once to communicate access plan to and when needed, retrieve audit trails from the doors.

SMARTPHONE KEY

THAT'S HOW HOTELS WORK TODAY: SIMPLY OPEN THE DOOR WITH YOUR SMARTPHONE.

With Dialock, Häfele offers you trendsetting technology. Instead of handing a room key to your guests only when they arrive at the hotel, the smartphone key makes arrival much more convenient. The guest receives access to the hotel and his room via app. No more queues at check-in and check-out. Guests are happier. In addition to that, you make work easier for your staff at the reception.

SMARTPHONE KEY: CONVINCINGLY EASY.

Your guests receive the key code on their app before arrival. That way, the smartphone becomes the room key. Häfele establishes a secure communication from the digital room key to the Dialock electronic access control system using the latest Bluetooth technology. The door opens.

ADDITIONAL SERVICES: PERFECT FOR YOU AND YOUR GUESTS.

Book a room via the app any time anywhere, check in easily, pay and check out again without having to go to the reception. Häfele's cooperation partners make it possible. They integrate other customized functions into the app, such as sales-promoting offers of your hotel or individual travel tips for each destination.

THE MODULAR SYSTEM

Steel frames, door hardware, electronic access control system, door leaves and HPL laminates – individually combined, delivered as a system

HPL HIGH-PRESSURE LAMINATES

THE APPEARANCE

DOOR HARDWARE & ACCESS CONTROL

THE GOOD CONNECTIONS

DOOR LEAVES

THE CENTRAL PIECE

STEEL FRAMES

THE PERFECT FRAME

DT 700 DOOR TERMINAL SET

DT 700 DOOR TERMINAL SET

ORDERING PRODUCT COMPONENTS

Step 1 Select product model

Step 2 Select product components

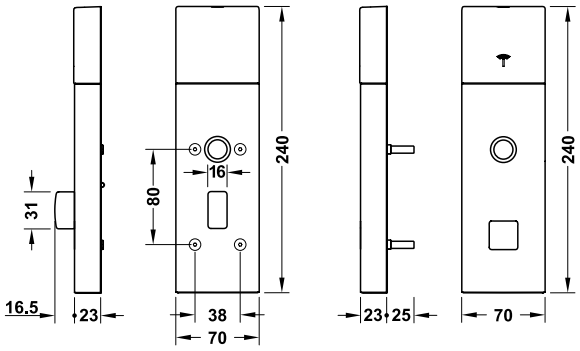
	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	
① ②	DT 700 Door terminal set	Mortice lock*	Profile cylinder for emergency opening	Supplementary products (mounting set)	Accessories for processing and installation	Maintenance tools and batteries	Programming and user keys (For offline use)
① For guest room doors made from timber (with "Do not disturb" function)	✓	✓	✓	✓	✓	✓	
② For guest room doors made from metal (with "Do not disturb" function)	✓	✓	✓	✓	✓	✓	
Page no.	8 - 9	15	16	18	19	19	38 - 45

SAMPLE ORDER

For interior hotel guest room door, made from timber, flush 42 mm, DIN right, backset 55 mm, battery-operated door terminal, comfort function outwards opening doors.			Cat. No.	Page No.
	Ⓐ	**Door terminal set**		
		DT 700 door terminal set, with thumbturn, stainless steel matt	917.64.006	8 - 9
	Ⓑ	**Mortice lock with flanged striking plate**		
		For doors with standard requirements stainless steel coloured	917.81.790	15
	Ⓒ	**Profile cylinder for mechanical emergency opening**		
		Single cylinder, keyed different	916.22.701	16
	Ⓓ	**Supplementary products**		
		Mounting set	917.80.451	18
	Ⓔ	**Accessories for processing and installation (Drilling jig)**	917.90.016	19
	Ⓕ	**Maintenance tools and batteries**		
		Maintenance tool (Bit Box)	006.37.098	19
		Alkaline-maganese battery 1.5 V AA	910.54.980	19
		Programming and user keys	–	38 - 45

DT 700 DOOR TERMINAL SET

Ⓐ FOR INTERIOR DOORS (HOTEL GUEST ROOM DOORS)



Door terminal set for interior guest room doors, approved for fire resistant and smoke control doors, matt stainless steel or polished brass coloured, with fixed lever handle aperture parts, door backplate internal module with battery.

Functionality
Battery operated, intelligent door terminal, touch-free activation with Dialock key (passive transponder)

- Red/white LED's/Piezo sound generator for indication of locking and unlocking.
- Door backplate internal module with thumbturn with which "Do not disturb" can be indicated on the external module by flashing signal (thumbturn = DND = "Do not disturb" function). Mechanical locking takes place by turning the thumbturn. pushing forward the deadbolt of the mortice lock.
- The door can be opened without a key at any time from the inside by operating the lever handle.
- Mechanical emergency opening possible.
- With real-time clock for audit trail of all locking processes, openings of the housing, emergency openings and battery removals (memory for up to 1,000 audit trail entries, for up to 1,000 users keys).
- Tamper protection on internal module blocks the door terminal in case of removal of the internal backplate. Access from the outside is blocked for user keys with activated tamper protection. The tamper protection can be activated (optional).
- For service personnel: Indication when battery change is required.

Advantages

- Easy mounting
- Easy battery change
- Drilling dimensions in accordance with DIN 18251 + additional drill hole for DND;
- No cut-outs required in the door leaf
- Installation with standard rose fixing points

Technical data	
Degree of protection	IP20
Ambient temperature (operation)	0° to +55° (celcius)
Relative humidity	0 – 95% (not condensed)
Service life of battery	approx. 2 years, generally 10 locking cycles per day
Backset	65 mm
Spindle	9 mm
Distance	72 mm
Door thickness	35 – 95 mm
Standard	Fire tested to Australian standards A1530.4 and AS1905.1
Electro-static discharge (ESD)	High level security, tested to 20000 V (standard 8000 V)
Voltage supply	Alkaline-manganese battery 1.5 V AA (4 pieces)

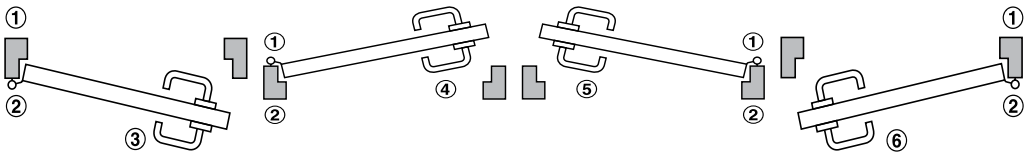
NOTES FOR OPERATION AND INSTALLATION

Planning by Dialock specialist is required.
DT 700 door terminal modules on fire resistant and smoke control doors must be installed by Dialock specialists after approval by the door manufacturer. If the terminal is installed without this permission, the Fire and Smoke Control Certificate for the door will be invalidated. Can only be used in combination with the DIN mortice lock for DT 700. The comfort function is determined with the mortice lock.

Mechanical emergency opening
The DT 700 door terminal set must always be equipped with a short profile cylinder for mechanical emergency opening. When using the mechanical emergency opening, please refer to the information sheet for determining the short profile cylinder length. The batteries in the door backplate internal module are secured with a special screw in the cover. This is meant to avoid unauthorised removal of the batteries. To insert the batteries into the internal module, a special bit is required. Please order separately.

Determine lever handle and opening direction

① Internal module
② External module (access control)



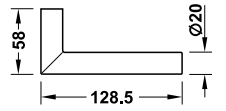
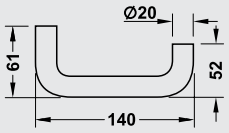
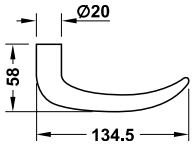
The opening direction inwards or outwards must be selected with the mortice lock.

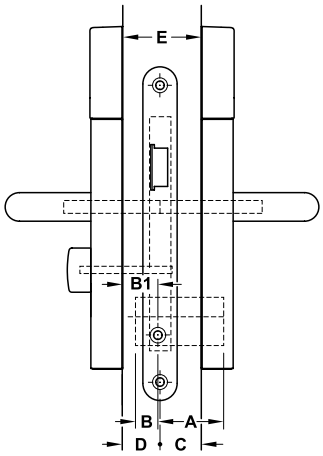
③ External module with lever handle pointing to the left, outwards opening, DIN left mortice lock

④ External module with lever handle pointing to the left, inwards opening, DIN right mortice lock

⑤ External module with lever handle pointing to the right, inwards opening, DIN left mortice lock

⑥ External module with External module with lever handle pointing to the right, outwards opening, DIN right mortice lock

	Supplied with		Stainless steel, matt	Brass coloured, polished
DT 700 offline				
	1 external module with fixed lever handle aperture part 1 internal module with thumbturn and fixed lever handle aperture part		917.64.006	917.64.257
			917.64.051	917.64.258
			917.64.008	917.64.259

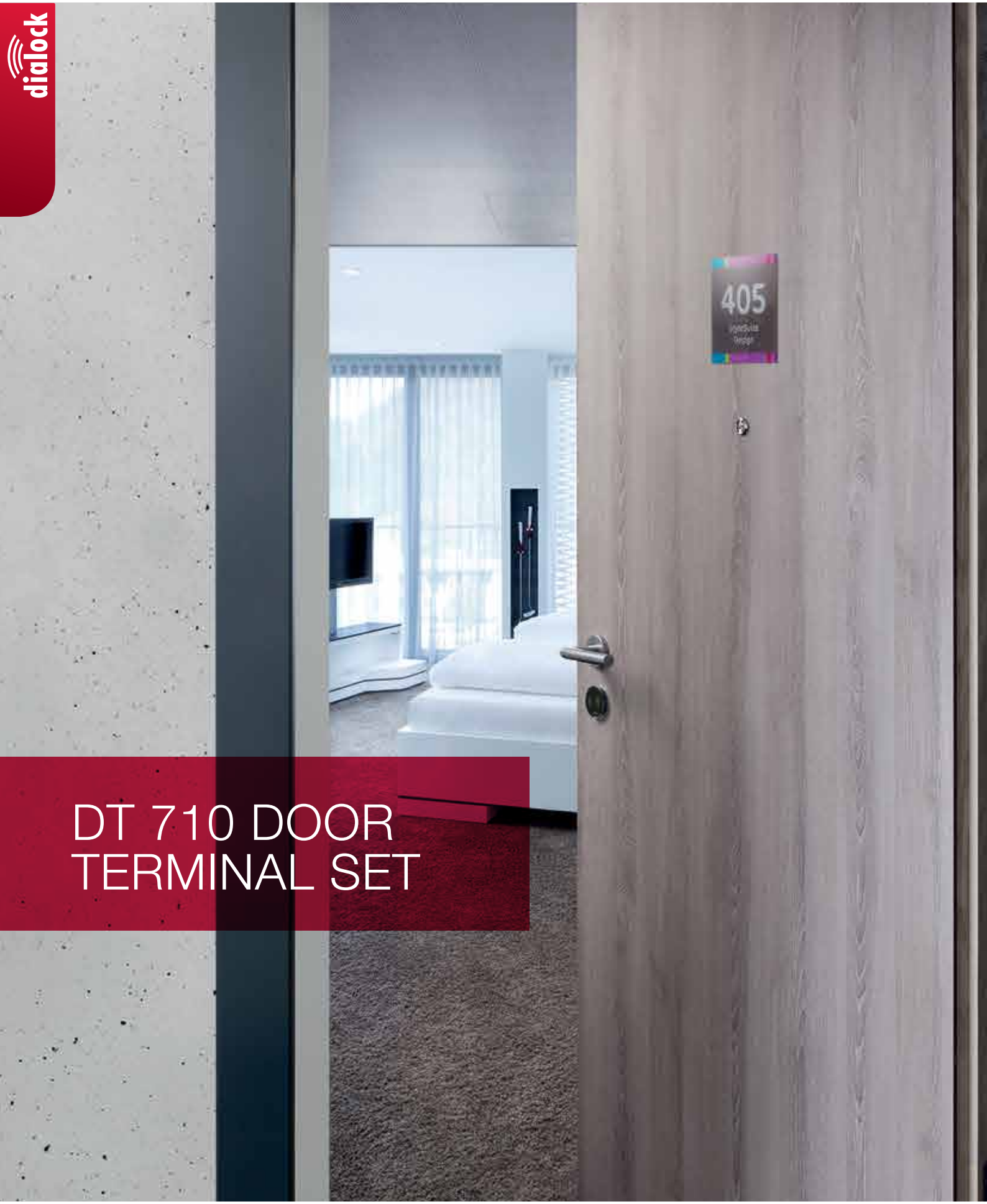


> Dim. E, door thickness
> External length C, relevant for profile cylinder and mounting set selection
> Internal length D, relevant for profile cylinder and mounting set selection
> Dim. A, external length of profile cylinder
> Dim. B, internal length of profile cylinder, must not exceed dim. B1

2 square spindles for DND thumbturn are included in the mounting set.
The short square spindle must be used for outwards opening doors, the longer square spindle for inwards opening doors.
A detailed description of the installation of the square spindles can be found in the installation instructions.

Order reference:
The following components must also be ordered for a fully operational unit:
> 1 Mortice lock for DT 700 / DT 710
> 1 Profile cylinder for mechanical emergency opening
> 4 Batteries AA (special bit for screw with retaining pin)
> 1 Angled striking plate, only with mortice locks with 20 mm forend
> 1 Mounting set

Refer to page 3 for ordering example.



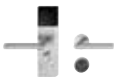
DT 710 DOOR TERMINAL SET

DT 710 DOOR TERMINAL SET

ORDERING PRODUCT COMPONENTS

Step 1 Select product model

Step 2 Select product components

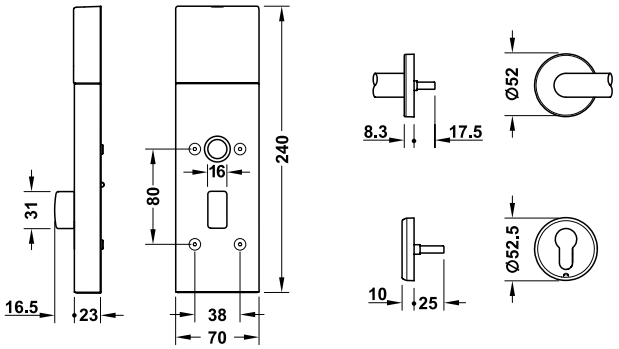
	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	
	 DT 710 Door terminal set	Mortice lock*	Profile cylinder for emergency opening	Supplementary products (mounting set)	Accessories for processing and installation	Maintenance tools and batteries	Programming and user keys (For offline use)
① For guest room doors made from timber (with “Do not disturb” function)	✓	✓	✓	✓	✓	✓	
② For guest room doors made from metal (with “Do not disturb” function)	✓	✓	✓	✓	✓	✓	
Page no.	12 - 13	15	16	18	19	19	38 - 45

SAMPLE ORDER

For interior hotel guest room door, made from timber, flush 42 mm, DIN right, backset 55 mm, battery-operated door terminal, comfort function outwards opening doors.			Cat. no.	Page no.
	Ⓐ	**Door terminal set**		
		DT 710 door terminal set, with thumbturn, stainless steel matt	917.64.000	12 - 13
	Ⓑ	**Mortice lock with flanged striking plate**		
		For doors with standard requirements stainless steel coloured	917.81.790	15
	Ⓒ	**Profile cylinder for mechanical emergency opening**		
		Single cylinder, keyed different	916.22.701	16
	Ⓓ	**Supplementary products**		
		Mounting set	917.80.451	18
	Ⓔ	**Accessories for processing and installation**	–	19
	Ⓕ	**Maintenance tools and batteries**		
		Maintenance tool	–	19
		Alkaline-maganese battery 1.5 V AA	910.54.980	19
		Programming and user keys	–	38 - 45

DT 710 DOOR TERMINAL SET

Ⓐ FOR INTERIOR DOORS (HOTEL GUEST ROOM DOORS)



Door terminal set for interior guest room doors, approved for fire resistant and smoke control doors, matt stainless steel or polished brass coloured, with fixed lever handle aperture parts, door backplate internal module with battery.

Functionality
Battery-operated, intelligent door terminal, touch-free activation with Dialock key (passive transponder).

- Red/white LEDs/Piezo sound generator for indication of locking and unlocking.
- Door backplate internal module with thumbturn with which “Do not disturb” can be indicated on the external module by a flashing signal (thumbturn = DND = “Do not disturb” function). Mechanical locking takes place by turning the thumbturn, pushing forward the deadbolt of the mortice lock.
- The door can be opened without a key at any time from the inside by operating the lever handle.
- Several keys per room and up to 20 keys per door terminal possible.
- Mechanical emergency opening possible.
- With real-time clock for audit trail of all locking processes, openings of the housing, emergency openings and battery removals (memory for up to 1,000 audit trail entries, for up to 1,000 user keys).
- Tamper protection on internal module blocks the door terminal in case of removal of the internal backplate. Access from the outside is blocked for user keys with activated tamper protection. The tamper protection can be activated (optional).
- For service personnel: Indication when battery change is required.

Advantages

- Easy mounting
- Easy battery change
- Drilling dimensions in accordance with DIN 18251 + additional drill hole for DND; no cut-outs required in the door leaf
- Installation with standard rose fixing points

Technical data	
Degree of protection	IP20
Ambient temperature (operation)	0° to +55° (celcius)
Relative humidity	0 – 95% (not condensed)
Service life of battery	approx. 2 years, generally 10 locking cycles per day
Backset	65 mm
Spindle	9 mm
Distance	72 mm
Door thickness	35 – 95 mm
Standard	Fire tested to Australian standards A1530.4 and AS1905.1
Electro-static discharge (ESD)	High level security, tested to 20000 V (standard 8000 V)
Voltage supply	Alkaline-manganese battery 1.5 V AA (4 pieces)

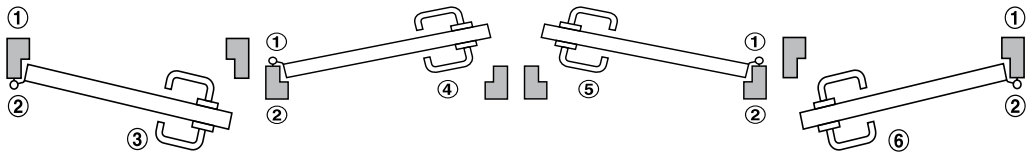
NOTES FOR OPERATION AND INSTALLATION

Planning by Dialock specialist is required.
DT 710 door terminal modules on fire resistant and smoke control doors must be installed by Dialock specialists after approval by the door manufacturer. If the terminal is installed without this permission, the Fire and Smoke Control Certificate for the door will be invalidated. Can only be used in combination with the DIN mortice lock for DT 710. The comfort function is determined with the mortice lock.

Mechanical emergency opening
The DT 710 door terminal set must always be equipped with a short profile cylinder for mechanical emergency opening.
When using the mechanical emergency opening, please refer to the information sheet for determining the short profile cylinder length. The batteries in the door backplate internal module are secured with a special screw in the cover. This is meant to avoid unauthorised removal of the batteries. To insert the batteries into the internal module, a special bit is required. Please order separately.

Determine lever handle and opening direction

① Internal module
② External module (access control)



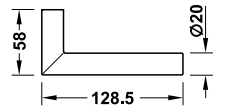
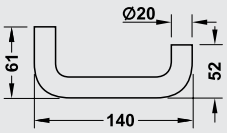
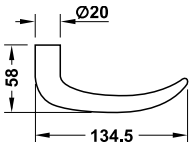
The opening direction inwards or outwards must be selected with the mortice lock.

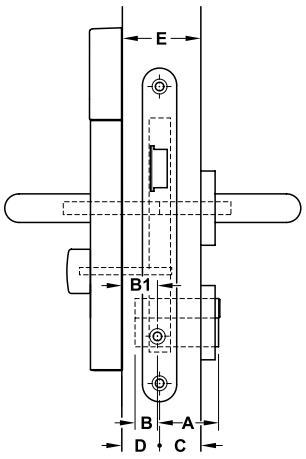
③ External module with lever handle pointing to the left, outwards opening, DIN left mortice lock

④ External module with lever handle pointing to the left, inwards opening, DIN right mortice lock

⑤ External module with lever handle pointing to the right, inwards opening, DIN left mortice lock

⑥ External module with External module with lever handle pointing to the right, outwards opening, DIN right mortice lock

	Supplied with		Stainless steel, matt	Brass coloured, polished
DT 710 offline				
	1 external module 1 rose with fixed lever handle aperture part 1 internal module with thumbturn and fixed lever handle aperture part		917.64.000	917.64.251
			917.64.001	917.64.252
			917.64.002	917.64.253



> Dim. E, door thickness
> External length C, relevant for profile cylinder and mounting set selection
> Internal length D, relevant for profile cylinder and mounting set selection
> Dim. A, external length of profile cylinder
> Dim. B, internal length of profile cylinder, must not exceed dim. B1

2 square spindles for DND thumbturn are included in the mounting set. The short square spindle must be used for outwards opening doors, the longer square spindle for inwards opening doors. A detailed description of the installation of the square spindles can be found in the installation instructions.

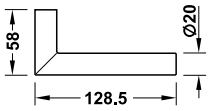
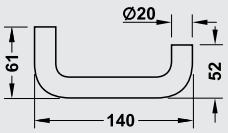
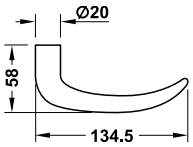
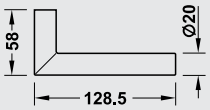
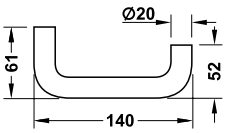
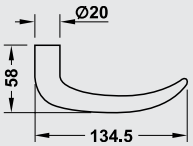
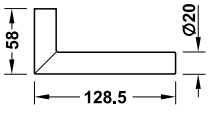
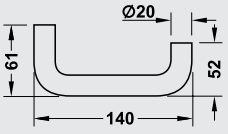
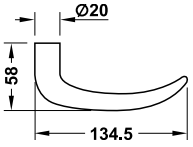
Order reference:
The following components must also be ordered for a fully operational unit:
> 1 Mortice lock for DT 700 / DT 710
> 1 Profile cylinder for mechanical emergency opening
> 4 Batteries AA (special bit for screw with retaining pin)
> 1 Angled striking plate, only with mortice locks with 20 mm forend
> 1 Mounting set

Refer to page 7 for ordering example.

DT 700 AND 710 DOOR TERMINAL

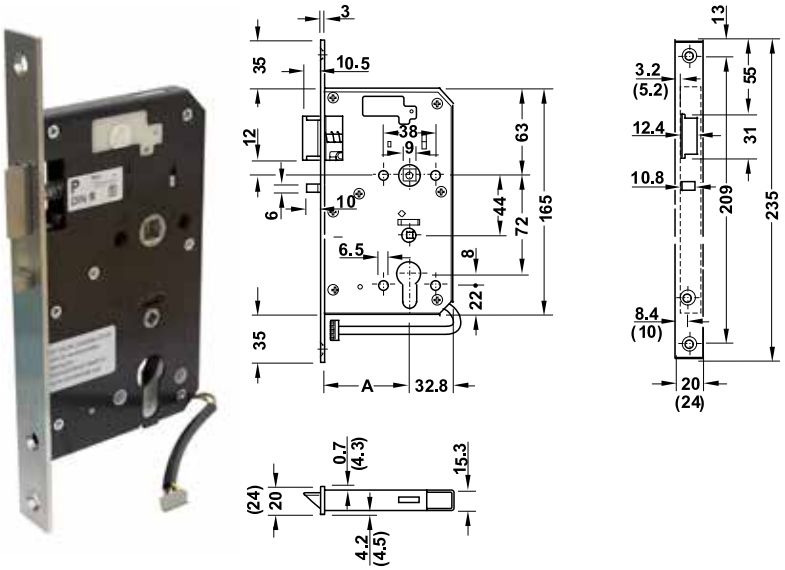
INDIVIDUAL COMPONENTS: DT 700 AND DT 710

> Material: Stainless steel
> Finish: Matt or Brass coloured polished
> Version: Identical to the DT 700 and DT 710 door terminal modules, but divided into internal and external module

	Supplied with	Model series		Stainless steel, matt	Brass coloured, polished
DT 700 and 710 offline					
	1 external module with fixed lever handle aperture part	DT 700		917.63.500	917.63.501
				917.63.505	917.63.506
				917.63.510	917.63.511
	1 external module with fixed lever handle aperture part	DT 710		917.63.600	917.63.601
				917.63.605	917.63.606
				917.63.610	917.63.611
	1 internal module with thumbturn and fixed lever handle aperture part	DT 700 and DT 710		917.63.000	917.63.001
				917.63.005	917.63.006
				917.63.010	917.63.011

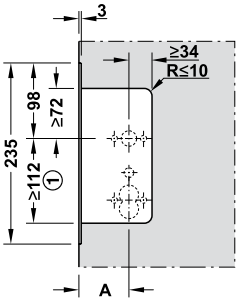
DT 700 AND 710 DOOR TERMINAL

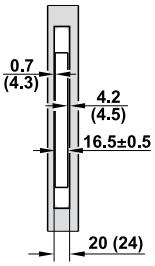
Ⓑ MORTICE LOCKS



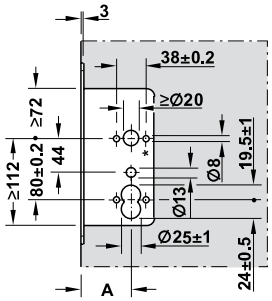
- Area of application: For flush doors (forend 24 mm), suitable for fire resistant and smoke control doors
- Version: Electrically connectable mortice lock with feedback (sensors for latchbolt), comfort function and emergency opening function, deadlocking latchbolt, connecting cable for electrical connector and sensors for connection with DT 700 or DT 710 internal module
- Closure: Prepared for profile cylinder
- Forend: Square
- Lever follower: 9 mm
- Distance: 72 mm
- Mounting: DIN left and DIN right hand
- Material:
  Forend: Stainless steel, latchbolt and lock case: Steel, lever follower: Malleable cast
- Finish: Matt, lock case: Black

Installation





Door routing dimensions
Observe the lock pocket dimensions.
Dimension ① in drawing is greater than with normal mortice locks due to the cable outlet.



Door drilling dimensions
*8 mm drill hole on one side for DND spindle, only on the inside.

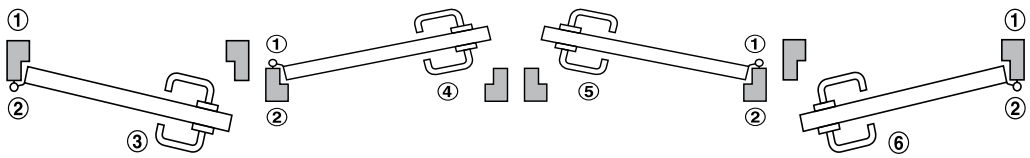
Emergency opening function

Emergency opening function is monitored (feedback). Opening of door from inside: By activitating the lever handle, the latchbolt is retracted.

Forend width (mm)	Mounting	Cat. No.
Backset A 65 mm		
24	DIN LH, comfort function outwards opening doors	917.81.780
	DIN LH, comfort function inwards opening doors	917.81.760
	DIN RH, comfort function outwards opening doors	917.81.790
	DIN RH, comfort function inwards opening doors	917.81.770

Determine lever handle and opening direction

① Internal module
② External module (access control)



The opening direction inwards or outwards must be selected with the mortice lock.

③ External module with lever handle pointing to the left, outwards opening, DIN left mortice lock

④ External module with lever handle pointing to the left, inwards opening, DIN right mortice lock

⑤ External module with lever handle pointing to the right, inwards opening, DIN left mortice lock

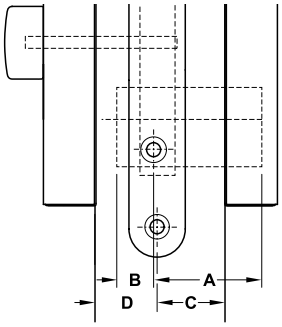
⑥ External module with External module with lever handle pointing to the right, outwards opening, DIN right mortice lock

DT 700 / 710 DOOR TERMINAL

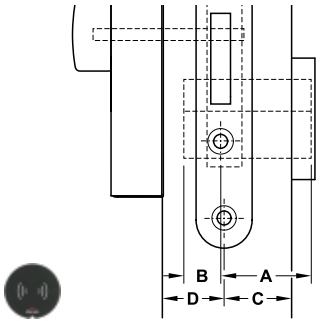
© PROFILE CYLINDER FOR EMERGENCY OPENING

Startec single cylinder

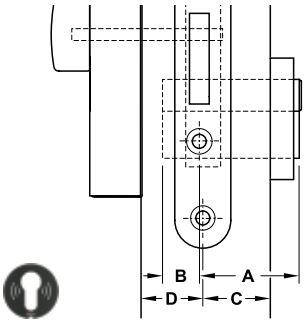
- Version: S1 keyed alike
- Material: Cylinder housing: Brass, key: Steel
- Finish: Cylinder housing and key: Nickel plated



DT 700Reader module



DT 710 Reader module with blank escutcheon foil



DT 710 Reader module with PC escutcheon foil

Dim. A (mm)	Dim. B (mm)	Dim. C (mm) comfort function					
		Inwards opening	Outwards opening	Inwards opening	Outwards opening	Inwards opening	Outwards opening
Startec single cylinder							
27	10	10.6 – 15	12.6 – 17	18.5 – 26	20.5 – 28	11 – 16	13 – 18
31		14.6 – 19	16.6 – 21	22.5 – 30	24.5 – 32	15 – 20	17 – 22
35		18.6 – 23	20.6 – 25	26.5 – 34	28.5 – 36	19 – 24	21 – 26
40		23.6 – 28	25.6 – 30	31.5 – 39	33.5 – 41	24 – 29	26 – 31
45		28.6 – 33	30.6 – 35	36.5 – 44	38.5 – 46	29 – 34	31 – 36
50		33.6 – 38	35.6 – 40	41.5 – 49	43.5 – 51	34 – 39	36 – 41
55		38.6 – 43	40.6 – 45	46.5 – 54	48.5 – 56	39 – 44	41 – 46
60		43.6 – 48	45.6 – 50	51.5 – 59	53.5 – 61	44 – 49	46 – 51
65		48.6 – 53	50.6 – 55	56.5 – 64	58.5 – 66	49 – 54	51 – 56
70		53.6 – 58	55.6 – 60	61.5 – 69	63.5 – 71	54 – 59	56 – 61

Dim B. max. = dim. D – 2 mm

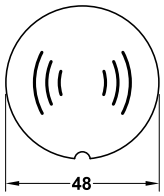
Version	Dim. A (mm)	Cat. No.
Startec single cylinder		
S1 keyed alike	27	916.22.701
	31	916.22.702
	35	916.22.703
	40	916.22.704
	45	916.22.705
	50	916.22.706

Supplied with:
- 1 Single cylinder
- 3 Keys
- 1 Fixing screw

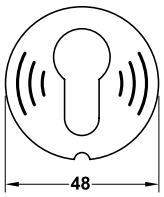
DT 710 DOOR TERMINAL

Ⓓ SUPPLEMENTARY PRODUCTS

ESCUTCHEON FOIL FOR READER MODULE



Without aperture (Blank)



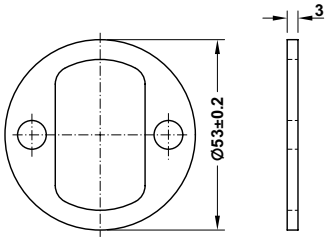
With Profile Cylinder aperture (PC)

- > Area of application: Cover foil for sticking onto DT 710 reader module
- > Material: Plastic
- > Colour: Grey or white

Apertures	Colour	Cat. No.
Blank	Grey	917.80.424
	White	917.80.425
PC	Grey	917.80.420
	White	917.80.421

Order reference:
Customised design of the escutcheon foil is available on request (minimum order quantity of 50 pieces). Please enquire.

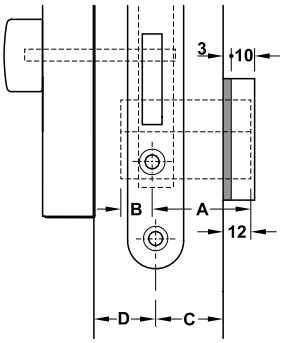
SPACER PLATE FOR READER MODULE



- > Area of application: For compensation with thin door panels
- > Thickness: 3.0 mm
- > Material: Stainless steel

Technical Data			
DT 710 reader module with blank escutcheon foil			
Dim.A (mm)	Dim.B (mm)	Dim.C (mm) Comfort function inwards opening doors	Dim.C (mm) Comfort function outwards opening doors
Single cylinder (e.g. 916.22.701)			
27	10	15.5 – 26	17.5 – 28

Compensation with spacer plate



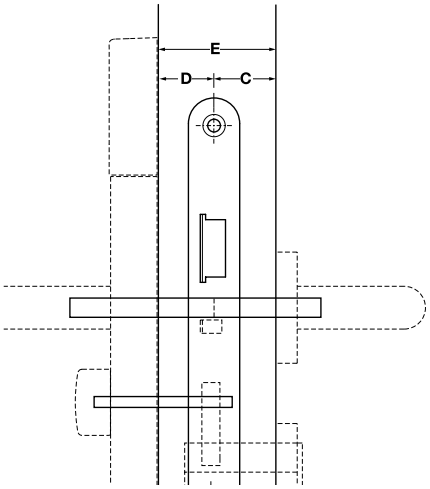
A spacer plate 3 mm can be used to compensate for thin doors (optional). The max. possible cylinder dimension (dim. A) is then increased by 3 mm. The min. cylinder dimension (dim. A) remains the same when using the blank escutcheon foil, when using the PC escutcheon foil it is increased by 3 mm.
Dim B. max. = dim. D – 2 mm

Reader module with spacer plate 3 mm

Material	Colour	Cat. No.
Stainless steel	Matt	917.90.484
	Brass coloured polished	917.90.485

MOUNTING SET

D \ C	14-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70
14-15						③			⑤			
15-20		①					⑥			⑨		
20-25				②								
25-30												
30-35									⑩			
35-40	④											
40-45			⑦				⑪					
45-50												
50-55	⑧				⑫							
55-60				⑬								
60-65												



> Functionality: For connecting the external and internal mode and thumbturn with the mortice lock.
> Material: Steel, threaded screws: Stainless steel

Note:
Mounting sets 1, 2, 4, 6, 7, 9 and 11 are supplied with 2 DND spindles. The installation instructions explain which spindle has to be used.

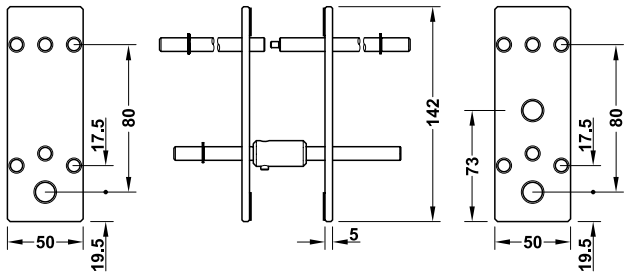
Supplied with:
> 4 Cylinder screws M4, SW 3 hexagon socket, with retaining pin
> 2 Spindles 9 mm
> 1 (2) DND spindle(s) 5 mm
> 2 Chipboard screws 3 x 25 mm

Dim. E (mm)	Mounting Set	Dim. C (mm)	Dim. D (mm)	Stainless steel matt	brass coloured polished
Door thickness 35 – 50	Mounting set 1	14 – 35	14 – 35	917.80.451	917.80.471
Door thickness 50 – 65	Mounting set 2	15 – 35	15 – 35	917.80.452	917.80.472
	Mounting set 3	35 – 50	14 – 25	917.80.453	917.80.473
	Mounting set 4	14 – 25	35 – 50	917.80.454	917.80.474
Door thickness 65 – 80	Mounting set 5	50 – 65	14 – 25	917.80.455	917.80.475
	Mounting set 6	35 – 50	15 – 35	917.80.456	917.80.476
	Mounting set 7	15 – 35	30 – 50	917.80.457	917.80.477
	Mounting set 8	14 – 25	50 – 65	917.80.458	917.80.478
Door thickness 80 – 95	Mounting set 9	50 – 70	14 – 30	917.80.459	917.80.479
	Mounting set 10	50 – 65	25 – 40	917.80.460	917.80.480
	Mounting set 11	30 – 50	30 – 50	917.80.461	917.80.481
	Mounting set 12	30 – 40	50 – 60	917.80.462	917.80.482
	Mounting set 13	15 – 30	50 – 65	917.80.463	917.80.483

DT 700 AND 710 DOOR TERMINAL

Ⓕ PROCESSING AND INSTALLATION

DRILLING JIG



> Area of application: For work preparation for mounting the DT 700 / DT 710 door terminals on door

Installation:
Information on how to use the drilling jig can be found in the installation instructions for the DT 700 / DT 710.
The installation instructions can be found in our website: www.hafele.com.au

	Cat. No.
Drilling jig	917.90.016

Supplied with:
> 2 Steel plates (inside and outside)
> Centring pins with stop sleeves
> 1 Drill bit 13mm
> 1 Drill bit 8 mm
> 1 Router bit

BIT BOX

> Area of application: For mounting the DT 700 / DT 710 door terminal, for SW 3 hexagon socket screws with retaining pin and PH2 screws
> Length: 25 mm
> Drive: 1/4”

	Cat. No.
Bit Box	006.37.098

Supplied with:
> 1 Universal magnetic holder
> 6 Bits for SW 3 hexagon socket screws with drill hole for retaining pin
> 4 PH2 bits

BATTERY AA

> Operating temperature: -18 to +55ºC with alkaline-manganese,

	Packing (piece)	Cat. No.
Alkaline-manganese battery 1.5 V AA	4	910.54.980

DOOR HARDWARE OPENING YOUR BUSINESS

AT A GLANCE

Functional and reliable hardware to support, hinge, control or lock building components are essential for the efficient function of buildings of all types, from retail stores to office buildings, from hotels to residential developments, from hospitals to airports.

Häfele's comprehensive range of fittings contained in the new Door Hardware Catalogue covers more than 200 pages, and present a large range of hardware offering the best possible solutions for maximum functionality and reliability, all backed by Häfele's limited lifetime warranty.

Products from trusted brands like GEZE and Lorient as well as Häfele's own Startec branded products can be found with in the new Door Hardware Catalogue.

For more information about the complete range of door hardware from Häfele, please visit www.hafele.com.au and download the latest version of the Door Hardware Catalogue.

HYGIENICALLY ACTIVE HANDLES

THE ALASEPT INVISIBLE ANTI-BACTERIALLY EFFECTIVE SURFACE COATING ENSURES THAT BACTERIA AND GERMS HAVE NO CHANCE IN THE HOTEL.

Certified safety

- Alasept provides protection where people are entering and leaving.
- Alasept reduces germs.
- Alasept works 24/7.
- Alasept promotes your image.
- Alasept for stainless steel fittings is neutral in colour.
- Alasept is robust and scratch-resistant.

ASK FOR YOUR LOCAL HÄFELE REPRESENTATIVE FOR MORE INFORMATION

Hotel ibis Styles Nagold-Schwarzwald, Nagold, Germany

ALASEPT FOR DOOR TERMINALS AND FURNITURE FITTINGS.

With anti-bacterial effectiveness of 99.9%, Alasept is very similar to a surface disinfectant. The coating is based on the oldest metal known to mankind: Copper. The copper substrate kills bacteria and viruses immediately. Germs cannot colonise fittings coated with Alasept.

Particularly in hygiene-sensitive areas, you minimise the risk of transmitting germs with Alasept. This is for the benefit of all guests and staff in your hotel. This is the case in the world's first "Alasept hotel", the ibis Styles Nagold-Schwarzwald hotel in Nagold, Germany. This hotel was equipped with door fittings with the anti-bacterially effective Alasept coating in November 2012.

The anti-bacterially effective Alasept coating for fittings from Häfele is the first solution of its kind on the market and was tested and certified in accordance with ISO 22196 in 2011. Certification took place at the independent test institute Hohenstein Laboratories GmbH & Co. KG, and was confirmed for two additional years in 2013. Many different stainless steel fittings such as door, window and furniture handles and architectural hinges can be enhanced with the patented coating procedure. And provide additional hygiene in the hotel. More information can be found at www.alasept.de

alasept

WALL TERMINALS

WT 200 WALL TERMINAL SET

ORDERING PRODUCT COMPONENTS

Step 1 Select product model

Step 2 Select product components

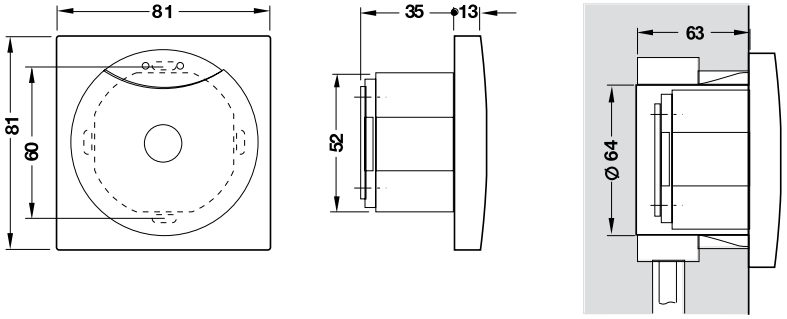
		Ⓐ	Ⓑ	Ⓒ	Ⓓ			
		WRU 200 wall reader	WTC 200 controller	Power supply	ESS 100 energy control terminal	Automatic circuit breakers and relays	Installation accessories	Programming and user keys (For offline use)
① For external doors made from timber, metal, glass or narrow frames	–	✓	✓	✓	✓	✓	✓	
	EN 179 / EN 1125	Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125 are possible if the door structure also meets the respective requirements.						
② For guest room doors made from metal (with “Do not disturb” function)	–	✓	✓	✓	✓	✓	✓	
	EN 179 / EN 1125	Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125 are possible if the door structure also meets the respective requirements.						
Page no.		24	25 - 26	30 - 31	29	32	35	38 - 45

SAMPLE ORDER

Entrance door projects, mains-operated wall terminal			Cat. No.	Page No.
		WT 200 Wall terminal set		
	Ⓐ	WRU200 Wall reader	917.91.072	24
	Ⓑ	WTC 200 Controller	917.91.071	25
	Ⓒ	**Power supply**		
		DC power supply unit, regulated	917.93.013	30 - 31
	Ⓓ	**Automatic circuit breakers and relays**	–	32
		Installation accessories	–	35
	Optional			
	Automatic circuit breakers, relays and installation accessories as required			
	Energy control terminal for hotels, additional wall reader on opposite side as required			

WRU 200 WALL READER

Ⓐ FOR INDOOR AND OUTDOOR USE



WRU 200 wall reader (writer and reader unit) plastic, anthracite/silver coloured, for combination with WTC 200 controller.

Functionality:
Mains-operated wall terminal, touch-free activation with Dialock key.

> Red/green LEDs for indication of locking and unlocking.
> For service personnel: Indication of operating status (e.g. offline).

Technical data	
Degree of protection	IP65
Ambient temperature (operation)	–25° to +70° (Celcius) with temperature monitoring
Voltage supply	12 – 24 V DC ±15%
Current consumption	0.8 W
RFID	f = 13.56 MHz
Indication	1 x LED red, 1 x LED green
Interface	1 x RS-485, automatic baud rate detection
Relative humidity	10 – 95% (not condensed)
Connection	Terminals for e.g. J-Y(St) Y2x2x0.8, max. 100m

NOTES FOR OPERATION AND INSTALLATION

Connection between WRU 200 wall reader and WTC 200 controller with four core installation cable in compliance with VDE 0815:
Type J-Y(St)Y 2 x 2 x 0.8 mm (twisted pair, shielded), max. length 100 m (please contact Dialock specialist for other lengths).
Installation of wall reader in flush mounted box with 2 device fastening screws (distance 60 mm in compliance with DIN).
Make sure the fastening points on the flush mounted box are horizontal.
Minimum distance between 2 wall readers 250 mm.
The installation of the wall reader in metal surroundings must be planned.

Order reference:
Please order supplementary and optional components, e.g. energy control terminal, power supply and lock, separately.

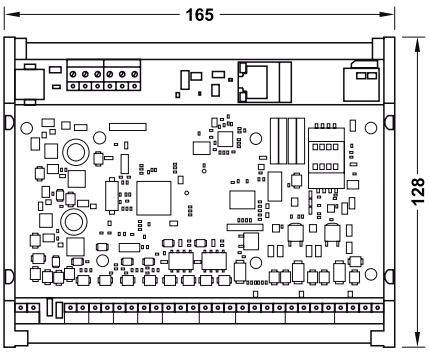
	Cat. No.
	917.91.072

Supplied with:

> 1 WRU 200 wall reader

WTC 200 CONTROLLER

Ⓑ FOR INDOOR AND OUTDOOR USE



WTC 200 Controller
made from plastic, anthracite/silver coloured,
for combination with WRU 200 wall reader.

Functionality
Mains-operated, intelligent controller for online operation.

- Use as authorisation writer and/or wall terminal, block lock function.
- Selective control of up to 2 electrical devices.
- Plug & Play installation, configures all system parameters on an SD card using the software.
- Authorisation writer for updating authorisations at offline terminals.
- Indication of operating status in the Dialock 2.0 software.
- Just-in-time modifications of authorisations.
- With integrated real-time clock for programming time restricted locking authorisations (setting of time zones)
- With audit trail of all processes.
- With 4 input ports for analysing input signals (e.g. reed
- contact for door monitoring). In combination with electric strike or mortice lock with feedback contact, this allows visual overall monitoring the status of the locking system.
- Change configurations and update firmware online with the Dialock 2.0 software.

Options (please order separately)

- WTX 200 I/O expansion module with 3 relay output ports and 4 analogue input ports.
- 8-way relay module with 8 relay output ports and 1 analogue input port.

Technical data		
Degree of protection		IP30 (sheet steel housing), installation on hat rail depends on housing
Ambient temperature (operation)		0° to +50° (Celcius)
Voltage supply		12 – 24 V DC ±15%
Current consumption		1.5 W
CPU		32 bit 168 MHz Cortex M4
Interfaces		1 x Ethernet 10/100 Mbit/s
		3 x RS-485 interfaces with power supply
		2 x relay output ports (changeover contact 30 V/2 A)
		4 x analogue input ports
		1 x USB interface
Slot		For WTX 200 I/O expansion
Storage media		1 x micro SD card (with optional 128 bit SSL encryption)
		512 kB flash
		128 KB SRAM
Relative humidity		10 – 95 % (not condensed)
Connection		Screw terminals 2.5 mm2
Installation	on hat rail	Width 165 mm, height 130 mm, depth 65 mm
	in sheet steel housing	Width 300 mm, height 300 mm, depth 132 mm

NOTES FOR OPERATION AND INSTALLATION

Connection between WRU 200 and WTC 200 controller with four core installation cable in compliance with VDE 0815:
Type J-Y(St)Y 2 x 2 x 0.8 mm (twisted pair, shielded), max. length 100 m (please contact Dialock specialist for other lengths).

Order reference:
Please order supplementary and optional components,
e.g. energy control terminal, power supply and lock, separately.

	Cat. No.
	917.91.071

Supplied with:

- 1 WTC 200 Controller

WTX 200 I/O

FOR EXPANSION OF WTC 200 CONTROLLER

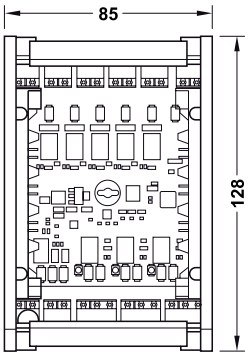
Technical data	
Ambient temperature (operation)	0° to +50° (Celcius)
Voltage supply	12 – 24 V DC ±15%
Current consumption	1.5 W
CPU	32 bit 168 MHz Cortex M4
Interfaces	3 x relay output ports (changover contact 30 V/2 A)
	4 x analogue input port
Connection	Screw terminals 2.5 mm2
Mounting	On slot for WTC 200

Functionality
Mains-operated, intelligent controller for online operation.
> Connection of up to 4 monitoring contacts.
> Connection of up to 2 electric strikes (relays).
> Combined connection of monitoring contacts and electric strikes to up to 6 pins.
> Up to 3 relay contacts for electric strikes or for signalling the door status.

	Cat. No.
	917.91.073

WTX 201 8-WAY RELAY MODULE

FOR EXPANSION OF WTC 200 CONTROLLER



Technical data	
Degree of protection	Depends on housing
Ambient temperature (operation)	0° to +50° (Celcius)
Voltage supply	12 – 24 V DC ±15%
Interfaces	3 x changeover contact 30 V/2 A
	5 x make/break conact (relay)
	1 x RS-485
	1 x analogue input port
Relative humidity	10 – 95% (not condensed)
Connection	Screw terminals 2.5 mm2

WTX 201 8-way relay module,
as independent unit that can be installed remotely from the WTC 200 controller, e.g. as lift control.

Functionality
Mains-operated, intelligent controller for online operation.
> Connection of up to 3 changeover contacts, 5 make or break contacts (relay).
> RS-485 input ports for connection with WTC 200 controller.
> One RS-485 interface on the WTC 200 can be used for operating up to 4 WTX 201.

	Cat. No.
	917.91.074

WT 210 WALL TERMINAL SET

ORDERING PRODUCT COMPONENTS

Step 1 Select product model

Step 2 Select product components

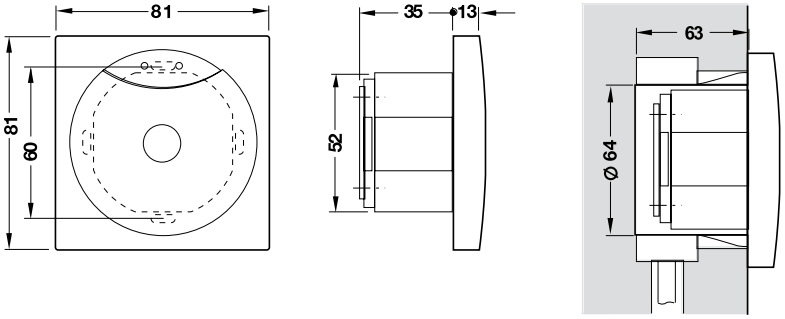
		Ⓐ	Ⓒ	Ⓓ			
		WT 210 wall terminal, (wall reader and controller, as on unit).	Power supply	ESS 100 energy control terminal	Automatic circuit breakers and relays	Installation accessories	Programming and user keys (For offline use)
① For external doors made from timber, metal, glass or narrow frames	–	✓	✓	✓	✓	✓	
	EN 179	Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125 are possible if the door structure also meets the respective requirements.					
	EN 1125						
② For guest room doors made from metal (with “Do not disturb” function)	–	✓	✓	✓	✓	✓	
	EN 179	Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125 are possible if the door structure also meets the respective requirements.					
	EN 1125						
Page no.		28	30 - 31	29	32	35	38 - 45

SAMPLE ORDER

Entrance door projects, mains-operated wall terminal			Cat. No.	Page No.
	Ⓐ	**Wall terminal set**		
		WT 210 wall terminal	917.91.007	28
	Ⓒ	**Power supply**		
		DC power supply unit, regulated	917.93.013	30 - 31
	Ⓓ	**Automatic circuit breakers and relays**	–	32
		Installation accessories	–	35
	Optional			
	Automatic circuit breakers, relays and installation accessories as required			
	Energy control terminal for hotels, additional wall reader on opposite side as required			

WT 210 WALL READER

Ⓐ FOR INDOOR AND OUTDOOR USE



Space required flush mounted box

WT 210 wall terminal (reader unit and controller in one compact unit) made from plastic, anthracite/silver coloured. The compact design of the WT 210 allows for installation in flush mounted boxes or cavity wall boxes.

> Area of application: For controlling car park barriers, gates, any type of door, furniture and furnishings, lights, alarm systems, video surveillance.

Functionality
Mains-operated wall terminal, for offline operation.

> Red/green LEDs for indication of locking and unlocking.
> The WT 210 forms a complete offline access point in combination with an electric strike.
> The digital input port can be used for connecting a push button inside that activates the electric strike, for example.
> With integrated real-time clock for programming time restricted locking authorisations (setting of time zones).
> With sabotage sensor that triggers the integrated signal generator and activates the alarm relay when removing the reader head from the installation frame.
> The alarm relay can also be combined with one further relay (in the protected (indoor) areas) in order to achieve a tamper-resistant access point.
> With audit trail of all locking processes and removing the reader head from the installation frame processes.
> Wireless firmware update with the MDU 110.

Technical data	
Degree of protection	IP65
Ambient temperature (operation)	–25° to +70° (Celcius) with temperature monitoring
Relative humidity	10 – 95% (not condensed)
Voltage supply	12 – 24 V DC ±15%
Current consumption	0.8 W
RFID	f = 13.56 MHz
Indication	1 x LED red, 1 x LED green, Piezo sound generator
Interface	Digital input port: Switching input max. 20 mA Relay output port (change over contact): 48 V AC/DC, 5 A Alarm output port (make contact): 48 V DC, 1 A Rf interface for configuration with MDU 110
Memory	For up to 1,000 audit trail entries, for up to 1,000 keys
Terminals	0.13 – 0.52 mm^2

NOTES FOR OPERATION AND INSTALLATION

Installation of wall reader in flush mounted box with 2 device fastening screws (distance 60 mm in compliance with DIN).
Make sure the fastening points on the flush mounted box are horizontal.
Minimum distance between 2 wall readers 250 mm.
The installation of the wall reader in metal surroundings must be planned.

Order reference:
Please order supplementary and optional components,
e.g. energy control terminal, power supply and lock, separately.

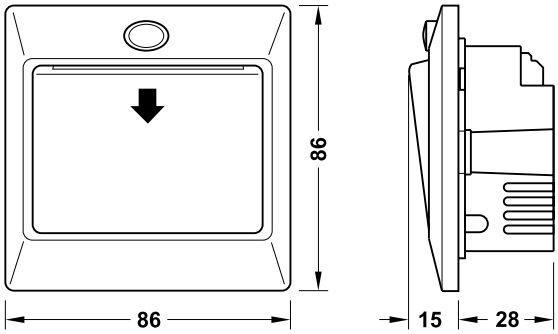
	Cat. No.
	917.91.007

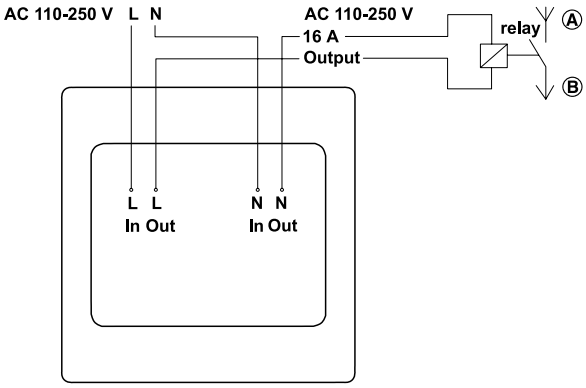
Supplied with:
> 1 WT 210 wall terminal

DIALOCK WALL TERMINAL

Ⓓ SUPPLEMENTARY PRODUCTS

ENERGY CONTROL TERMINAL





Ⓐ Power supply
Ⓑ Electrical load (any)

Particularly suitable for use in hotels for activating electrical loads in guest rooms such as lighting, TV, sockets, air conditioning. Housing made from plastic, white or silver coloured.

Functionality
Mains-operated wall terminal, for offline operation.

> Activation of electric circuits and switching of electrical devices by means of Dialock keys with ISO credit card size via integrated switching contact. Activation as long as a transponder card is inserted in the hold of the energy control terminal.
> The inserted card is recognised as transponder and read out. Every card is authorised.
> Red LED

Technical data	
Power supply (output current)	30 A, AC 60/50 HZ, 110 V (or 220 V)
Total consumption	6,600 W
Own consumption	<0.2 W
Service life	>100,000 unlocking cycles (when using contact maker below 220 V and full load)
Operating temperature	–10° to +60° (Celcius)
Relative humidity	10 – 95%
Ambient temperature (transport/storage)	–20° to +80° (Celcius)
Time delay	15 seconds
Technology	Mifare Classic

Order reference:
Device box not supplied, please order separately.

Colour	Cat. No.
White	917.61.082
Silver coloured	917.61.083

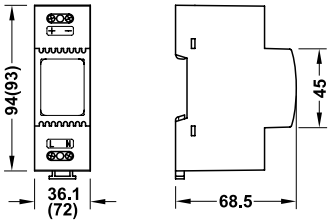
Supplied with:

> 1 energy control terminal
> 1 hold
> Fixing material

DIALOCK WALL TERMINAL

© SUPPLEMENTARY PRODUCTS

DC POWER SUPPLY UNIT, REGULATED



> Area of application: Power supply for wall terminal set, electric strike and motor lock
> Version: Suitable for permanent operation, short-circuit proof
> Installation: For installation in distributor on hat rail

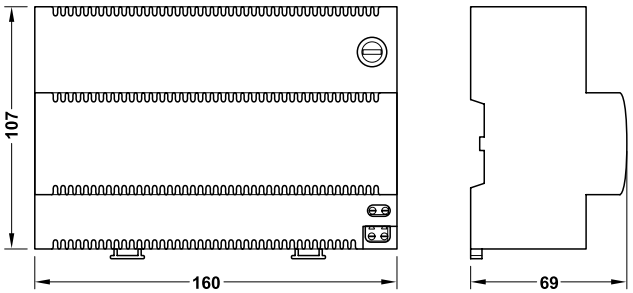
Technical data		
Input voltage		100-240 V AC
Output voltage		12 V DC
Output current	Ⓐ	2 A
	Ⓑ	4 A
Operating temperature	Ⓐ	<40° (Celcius)
	Ⓑ	<50° (Celcius)
Hat rail installation M36 rail technology	Ⓐ	2 joint units
	Ⓑ	4 joint units

Note:
Installation and commissioning must be carried out by a qualified electrician.

Version	Width (mm)	Cat. No.
Ⓐ	36.1	917.93.013
Ⓑ	72	917.93.012

Supplied with:
> 1 DC power supply unit
> 1 Wall installation set
> 1 Snap-on cover

RECHARGEABLE BATTERY PACK FOR EMERGENCY POWER SUPPLY



> Area of application: Low-cost power supply for e.g. wall terminal set, electric strike, motor lock
> Version: Hermetically sealed lead battery pack with 12 V (4Ah), suitable for permanent operation, maintenance free, a second terminal is provided on the battery pack for connecting the load
> Installation: For installation in distributor on hat rail

Technical data	
Input voltage	12.8 V DC
Output voltage	12 V DC
Capacity	4 Ah
Nominal capacity (example)	120 W, for 10 min
Operating temperature	≤40° (Celcius)
Hat rail installation M36 rail technology	9 joint units
Service life	approx. 5 years (ambient temperature 20 °C)
Self-discharge	approx. 3% per month (ambient temperature 20 °C)

Installation:
For use in combination with 12 V DC power supply unit (e.g. Cat. No. 917.93.013).
The output voltage of the DC power supply unit must be increased to 13.8 V DC, power consumption of the battery pack is then + 500 mA (load capacity).
The battery pack must be connected between power supply unit and consumer.

Note:
Installation and commissioning must be carried out by a qualified electrician.

Width (mm)	Cat. No.
160	917.93.019

DIALOCK WALL TERMINAL

Ⓓ SUPPLEMENTARY PRODUCTS

DC POWER SUPPLY UNIT, UNREGULATED

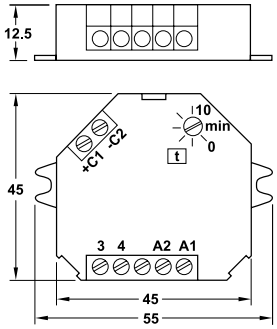
- > Area of application: Power supply for wall terminal set, electric strike and motor lock
- > Version: Suitable for permanent operation, not short circuit proof
- > Standard: In compliance with EN, VDE, UL, CSA

Technical data	
Input voltage	230/115 V AC
Output voltage	12 V DC
Output current	3 A
Operating temperature	-20° to +80° (Celcius)
W x D x H	50 x 92 x 95 / 75 mm
Hat rail installation M36 rail technology	3 joint units

Note:
Installation and commissioning must be carried out by a qualified electrician.

Width (mm)	Cat. No.
55	911.68.004

TIME DELAY RELAY



- > Area of application: In combination with the ESS energy control terminal
- > Functionality: Delayed switching off of connected load, when the control contact is closed, the normally open contact is also closed. After opening the control contact, the normally open contact remains closed during the delay time.

Technical data	
Nominal contact rating	10 A/250 V AC
Voltage supply	8 - 230 V AC/DC
Delay time	0 - 10 min

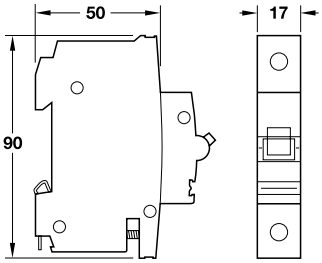
Note:
Installation and commissioning must be carried out by a qualified electrician.

	Cat. No.
	910.51.900

DIALOCK WALL TERMINAL

Ⓓ SUPPLEMENTARY PRODUCTS

AUTOMATIC CIRCUIT BREAKER



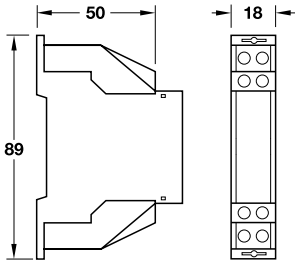
- > Area of application: For protection of the electric circuit of wall terminals
- > Material: Housing: Plastic
- > Colour: Housing: Grey
- > Installation: For installation in distributor on hat rail
- > Standard: In compliance with DIN VDE 0641-11 for line protection

Technical data	
Control current	5 A
Hat rail installation M36 rail technology	1 joint unit

Note:
Installation and commissioning must be carried out by a qualified electrician.

	Cat. No.
	910.51.993

INSTALLATION CONTROL RELAY



- > Area of application: For switching voltages > 60 V
- > Material: Housing: Plastic
- > Colour: Housing: Grey
- > Installation: For installation in distributor on hat rail

Technical data	
Control voltage	8-230 V UC
Nominal contact rating	16 A/250 V AC (change over contact)
Hat rail installation M36 rail technology	1 joint unit

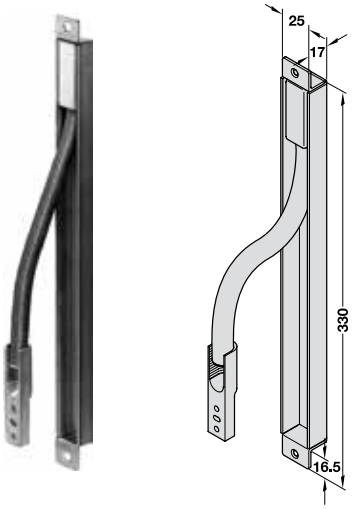
Note:
Installation and commissioning must be carried out by a qualified electrician. Observe correct polarity with direct current control.

	Cat. No.
	910.51.994

DIALOCK WALL TERMINAL

Ⓓ SUPPLEMENTARY PRODUCTS

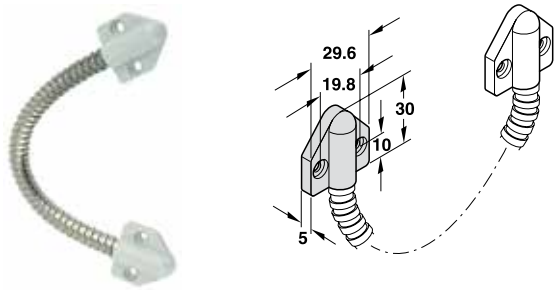
CABLE TRANSITION



- Area of application: For current transfer from door frame to door, for cable Ø 7 mm, suitable for installation in wooden, plastic or metal doors
- Installation: Concealed, in door frame or in door leaf (optional)
- Length: Flexible hose <110 mm
- Material: Screw-on holder and hose: Stainless steel

	Flexible hose length (mm)	Cat. No.
Cable transition	110	912.02.029
Mounting set for wooden doors	-	912.02.045

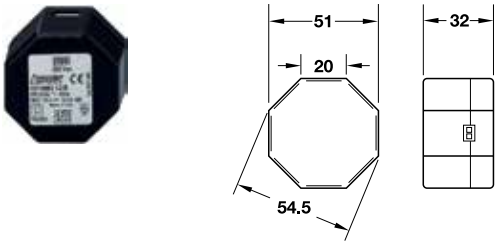
CABLE TRANSITION



- Area of application: For current transfer from door frame to door, for pulling flexible cable up to Ø 7 mm through
- Installation: Visible
- Material: Flexible hose: Rust-proof metal, screw-on holder: Plastic
- Finish: Screw-on holder: Nickel plated

	Flexible hose length (mm)	Cat. No.
Cable transition	180	912.02.095
	300	912.02.097

POWER SUPPLY UNIT, REGULATED



- Area of application: Power supply for wall terminals
- Version: Suitable for permanent operation, short-circuit proof
- Installation: Suitable for installation in flush mounted device box
- Standard: Conforms to EN 60 950, EN 55 022/B

Technical data	
Input voltage	155 mm
Cable length	90 mm
Output current	0.5 A
Operating temperature	-10 °C to +40 °C

Note:
Only suitable for power supply to wall terminals.
For other devices (e.g. electric strike) a separate power supply is required. Installation and commissioning must be carried out by a qualified electrician.

	Cat. No.
Power supply unit	917.93.010

Supplied with:
- 1 DC direct current power supply unit with screw terminals.

DIALOCK WALL TERMINAL

Ⓓ SUPPLEMENTARY PRODUCTS

PS 1 AND PS 2 POWER SUPPLY UNIT

- Area of application: For supplying power to furniture terminals, wall terminals and multi-lock adapters
- Version: Plug-in connection to output cable with AMP plug (3-way AMP plug) on output port

Technical data	
Input voltage	100-240 V AC, 50-60 Hz
Output voltage	12 V DC, regulated
Relative	0 - 95% (not condensed)
Mains lead length	1800 mm
Output cable length	1350 mm
Approvals	ACMA, CE, FCC, LPS, TÜV/GS, UL
Operating temperature	0-50° (Celcius)

Supplied with
- 1 PS 1 or PS 2 power supply unit
- 1 Mains lead with Australian plug
- 1 Supplementary sheet “Safety instructions”

	Output current A	Dim. (L x W x H) (mm)	Cat. No.
PS 1 power supply unit	2.5	105 x 42 x 30	237.58.147
PS 2 power supply unit	5	115 x 52 x 30	237.58.148

Order references
For countries where a cable with DIN Schuko safety plug cannot be used, a cable in accordance with the national standard is available on request.

ADAPTER CABLE AMP/BARE

- Area of application: For connecting the WT wall terminal or other devices with AMP socket to the PS 1/PS 2 power supply units
- Version: With AMP plug and wire end sleeves, with plastic sheathing HO3VVH2-F
- Colour: Black

Technical data	
Cable length	250 mm
Power	12 V, 6 A
Plastic sheathing	2 x 0.75 mm^2

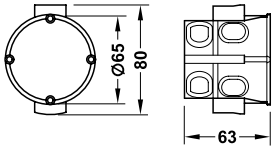
	Cat. No.
	823.28.310

DIALOCK WALL TERMINAL

Ⓓ SUPPLEMENTARY PRODUCTS

DEVICE BOX

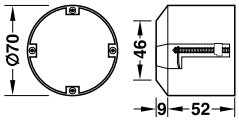
For flush mounting



- Version: Dimensions according to DIN standard
- Material: Plastic
- Colour: Black

	Cat. No.
	917.91.029

For cavity wall mounting

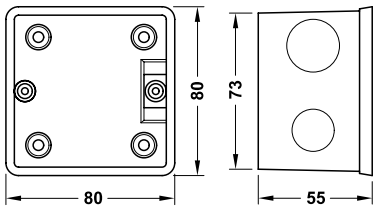


- For drill hole Ø: 68 mm
- For panel thickness: 7 – 35 mm
- Version: With retaining edge, dimensions according to DIN standard
- Material: Plastic
- Colour: Red

	Cat. No.
	917.91.012

Supplied with:
- 1 Device box for flush fitting
- 2 Countersunk screws 15 mm

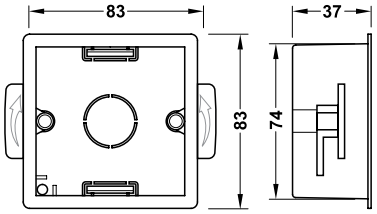
For flush mounting



- Area of application: For energy control terminal
- Material: Plastic
- Colour: White
- Installation: For flush mounting

	Cat. No.
	917.91.001

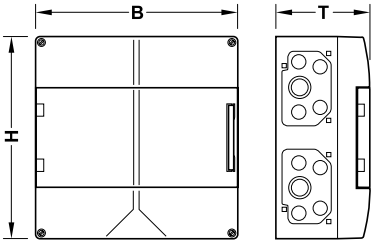
Cavity wall box



- Area of application: For energy control terminal
- Material: Plastic
- Colour: White
- For panel thickness: 7 – 35 mm
- Installation: For screw fixing to plasterboards

	Cat. No.
Cavity wall box	917.91.031
Countersunk head screw M 3.5 x 25 mm	917.91.028

SMALL DISTRIBUTOR BOX

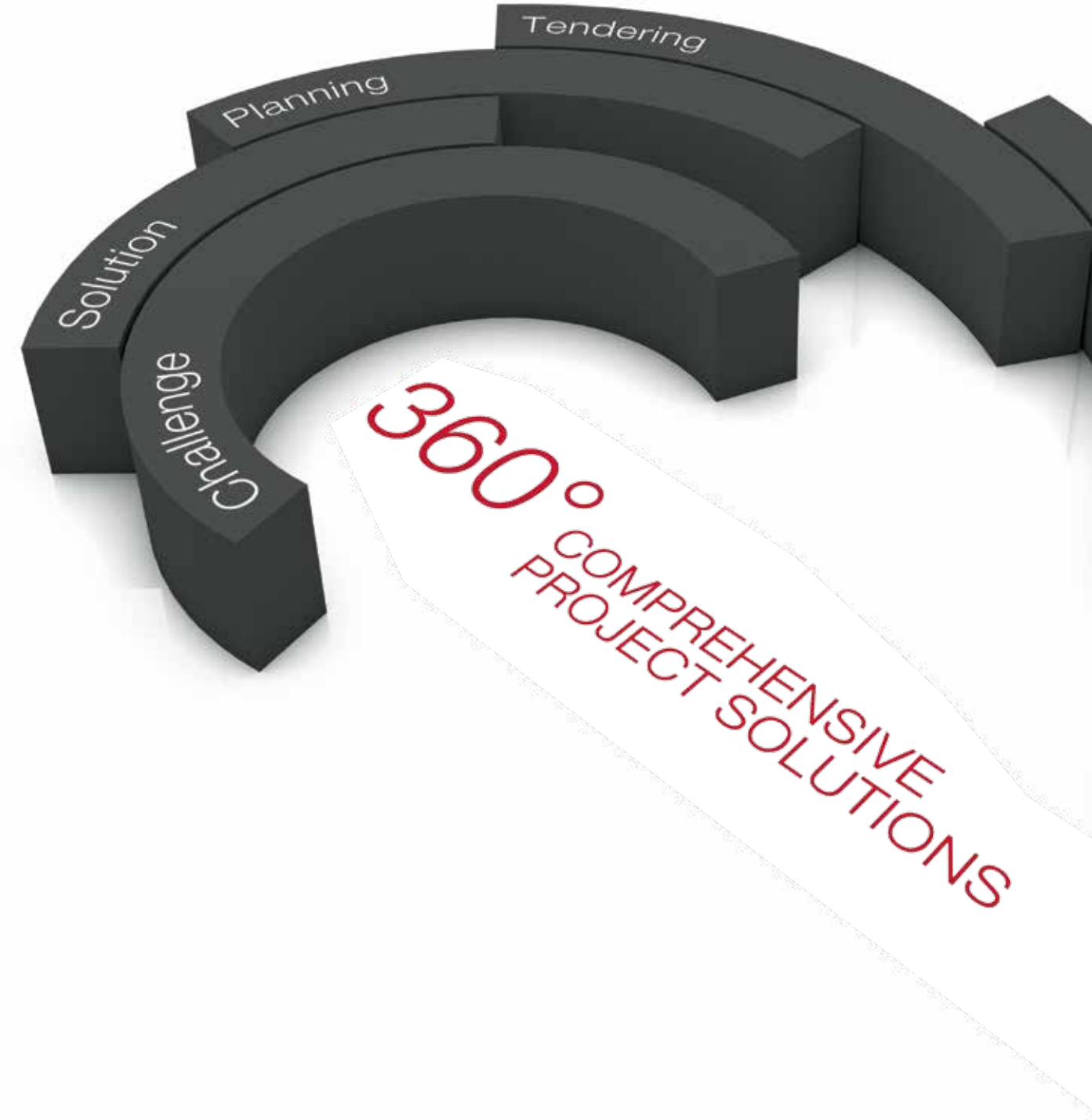


- Area of application: For installation of safety transformer, automatic circuit breaker, installation control relay and electronic control module
- Version: With hat rail, IP 65 with door, IP 30 without door
- Material: Housing: Plastic
- Colour: Housing: Grey

Degree of protection	Version	Dim. W x D x H (mm)	Cat. No.
IP65	14 joint units (single-row)	300 x 142 x 300	910.51.988
	28 joint units (double-row)	300 x 142 x 450	910.51.989
IP30	12 joint units (single-row)	305 x 99 x 250	910.51.986
	24 joint units (double-row)	305 x 99 x 375	910.51.987

TURNING CHALLENGES INTO SOLUTIONS.

HÄFELE. YOUR PARTNER RIGHT FROM THE START.



COMPETENCE IN PROJECT SUPPORT AND SERVICES.

A central pillar of this service offering is manufacturer-independent advice on architectural and furniture hardware. Häfele's project specialists are competent, solution-oriented partners for architects, builders, investors, specialists, consultants and general contractors.
In addition, Häfele also offers extensive support in all phases of the project development. For example, specialised planning aids facilitate the development and implementation of electronic access control systems, lighting concepts in furniture and furnishings, as well as sliding door solutions.

The hardware store founded in 1923 by Adolf Häfele is now one of the leading international companies for furniture and architectural hardware, as well as electronic access control systems. Worldwide, more than 6,000 employees support approximately 160,000 customers in over 150 countries. The headquarters of the family-operated company is still in Nagold, Germany where it began.

Häfele supplies hardware to healthcare, hospitality and other commercial and residential markets; to cabinet manufacturers, as well as trades that support building contractors; with hardware of all famous brands, as well as fittings from its own production plants in Germany.

HOTEL MARKET PROJECT COMPETENCE.

In addition to the 360° project service, Häfele's breadth and depth of product range provides an additional basis for expertise in the hospitality sector. This leads to solutions for specific and customized concepts, even for more complex requirements: whether it concerns the hotel room door as a complete system, Dialock electronic access control or the Häfele functionality for optimised hotel furniture. Many hotel projects of a multitude of categories and with different requirements and equipment have been realised by Häfele worldwide. With targeted systems and products for hospitality, we offer standard and alternative solutions to implement your hotel concepts: everything needed for doors and everything needed for furniture.

Through our role as a valuable innovator and trendsetter, not only major hotel chains such as Accor and Hyatt are among our customers, but also family-operated private hotels or youth hostel and hostel market. Specialised staff in our project services teams provide expert support for hospitality specifiers, builders and operators. This results in buildings and rooms that make investments that are fit for the future possible in the modern hotel world.

PROGRAMMING AND USER KEYS

PROGRAMMING AND USER KEYS

INFORMATION

PROGRAMMING

You have decided to install a door terminal (DT) or wall terminal (WT).
Now you can define the procedure that is used to program the electronics, and decide which key (user key) will be given authorisation to open the lock.
You have the choice between two programming methods:

> Key card programming for small projects (Stand Alone SA)
> Software programming for large projects and extensive functionality (SW software)

OVERVIEW OF ADVANTAGES AND USAGE AREAS

Key card programming	Software programming
Key card programming is ideal for projects comprising up to about 20 doors and 20 keys. The advantages thereof are low administrative cost and ease of use. The authorisation for the door is assigned directly at the respective terminal (DT or WT) using an electronic key (user key) and a programming key card. The authorisation for the locks is assigned to an electronic key (user key) using a programming key card. If the authorisation is to be withdrawn, it is deleted using a clearing key card and the relevant electronic key (user key).	**The Häfele employee or project area specialist who is responsible for you will assist you with the planning.** The authorisations are managed on a PC using special software. An encoding station connected to the PC then transmits the data to the MDU 100 mobile data unit, which transfers the data to the respective terminal (DT or WT) via infrared or cable. The electronic keys (user keys) are programmed on the encoding station. The advantage of the software is the visual display and management of the authorisations on the PC and extended functionality such as group definitions, series programming, setting the date and time, incorporation of external software, etc.

USER KEYS

User keys are the electronic version of keys. They must first have access authorisation assigned to them (programming: Stand Alone SA or software SW) so that they can then be used during everyday operations.

The user keys are maintenance free (no battery) and wear-free (touch-free data transfer).

PROGRAMMING

DIALOCK SOFTWARE

Project size Access points	Personnel master records	Encoder, entry or online order	Functionality (Supplementary in ascending order)			+ Wireless & Wired online
			Locking plan + time	+ HMS	+ Role model	
Software SW 200 Control						
20	20	2	✓			
50	50	2	✓			
100	100	2	✓			
200	200	2	✓			
500	500	2	✓			
Software SW 300 Hotel						
20*	20	2	✓	✓		
50*	50	2	✓	✓		
100*	100	4	✓	✓		
200*	200	8	✓	✓		
500*	500	16	✓			
Software SW 400 Professional						
50*	50	2	✓	✓	✓	
100*	100	4	✓	✓	✓	
200*	200	8	✓	✓	✓	
500*	500	16	✓	✓	✓	
Software SW 500 Wireless XL						
50*	50	50	✓	✓	✓	✓
100*	100	100	✓	✓	✓	✓
200*	200	200	✓	✓	✓	✓
500*	500	500	✓	✓	✓	✓

*in hotels (+HMS) the guest cards are assigned to the access point (guest room door).

Supplied with:
Software extension: Delivered on USB stick

- Software SW
- Dialock software manual
- Installation and operating instructions for the Dialock door and wall terminals
- License file (on USB stick)
- License key (on USB stick)

	Delivered on USB stick
Software SW 200 Control 20/20	910.52.800
Software SW 200 Control 50/50	910.52.801
Software SW 200 Control 100/100	910.52.802
Software SW 200 Control 200/200	910.52.803
Software SW 200 Control 500/500	910.52.804
Software SW 300 Hotel 20/20	910.52.810
Software SW 300 Hotel 50/50	910.52.811
Software SW 300 Hotel 100/100	910.52.812
Software SW 300 Hotel 200/200	910.52.813
Software SW 300 Hotel 500/500	910.52.814
Software SW 400 Professional 50/50	910.52.831
Software SW 400 Professional 100/100	910.52.832
Software SW 400 Professional 200/200	910.52.833
Software SW 400 Professional 500/500	910.52.834
Software SW 500 Wireless XL 50/50	910.52.841
Software SW 500 Wireless XL 100/100	910.52.842
Software SW 500 Wireless XL 200/200	910.52.843
Software SW 500 Wireless XL 500/500	910.52.844

Order reference:
Please check your order carefully. Because of the customer-specific configuration of the software, the license cannot be returned.
Please keep the USB stick and all licenses in a safe place. It is in your own interest to ensure that these can only be accessed by authorised persons. The software and the licenses may be copied for the ordered project.

PROGRAMMING

DIALOCK SOFTWARE EXTENSION

Supplied with:
Software extension: Delivered on USB stick

- Software SW
- Installation and operating instructions for the Dialock door and wall terminals
- License file (on USB stick)
- License key (on USB stick)

Software extension: Delivery of the license via mail/fax
License file (via mail)
License key (via fax)

Order reference:
Please check your order carefully. Because of the customer-specific configuration of the software, the license cannot be returned.
Please keep the USB stick and all licenses in a safe place. It is in your own interest to ensure that these can only be accessed by authorised persons.
The software and the licenses may be copied for the ordered project.

	Delivered on USB stick
8 additional authorisation writers online	910.52.890
16 additional authorisation writers online	910.52.891
Installation of software on additional workplace computer (starting from the 21st workplace computer)	910.52.880
50 additional access points	910.52.885
100 additional access points	910.52.886
200 additional access points	910.52.887
500 additional access points	910.52.888
50 additional personnel master records	910.52.881
100 additional personnel master records	910.52.882
200 additional personnel master records	910.52.883
500 additional personnel master records	910.52.884

PROGRAMMING KEY CARD

For Mifare Classic processor

- Area of application: Small projects with few Dialock keys
- Material: Plastic
- Dimensions: 54 x 85 mm (credit card size)

Functionality:
For allocating access authorisations without software and programming station

	Cat. No.
	917.64.010

CLEARING KEY CARD

For Mifare Classic processor

- Area of application: Small projects with few Dialock keys
- Material: Plastic
- Dimensions: 54 x 85 mm (credit card size)

Functionality:
For allocating access authorisations without software and programming station

	Cat. No.
	917.64.011

PROGRAMMING

ENCODING STATION

ES 110 ENCODING STATION

- Area of application: For programming transponder media
- Version: LCD display, background lighting
- Material: Housing: Plastic
- Colour: Housing: Silver coloured/grey

Functionality:
The authorisation data that were allocated with the Dialock software are transferred via the TCP/IP network to the ES 110 and written onto the presented transponder medium.
The system is operated using the Dialock software or the integrated HMS hotel management system.
Configuration of the ES 110 is carried out on a PC and its web interface (browser) via the TCP/IP network to the ES 110.

Technical data	
Voltage supply	PoE Power over Ethernet with PoE splitter (not supplied) or PS6 external power supply unit
Current consumption	max. 300 mA
Display	128 x 64 pixels
Connections	RJ45 socket for connecting the programming cable to the PC
Data transfer	between PC and ES 110 via TCP/IP
Dimensions	185 x 130 x 57 mm (L x W x H)

Supplied with:
- 1 ES 110 encoding station
- 1 Patch cable Cat 5, 2 m
- 1 PS6 external power supply unit
- Short instructions

Technology	Cat. No.
Mifare Classic	917.42.080

MDU 110 MOBILE DATA UNIT

- Area of application: For transferring data and configurations from the PC (Dialock software) to offline terminals
- Version: LCD display, background lighting, 5 language settings
- Material: Housing: Plastic
- Colour: Housing: Anthracite, similar to RAL 7020

Functionality:
Operation is carried out using the “clickwheel” (one-handed operation) on MDU 110.
A USB 2.0 interface is used for communication with the PC which is recognised by the PC as mass storage device. Installation of drivers is therefore not necessary.
Data exchange with the terminals takes place via wireless interface. This also applies to firmware updates that may be required.

Technical data	
Voltage supply	Lithium-ion battery, charged using USB connection
Service time	24 h, when operating without background lighting (can be switched off)
Weight including batteries	approx. 400 g
Display	128 x 64 pixel, 6 lines
Connections	USB 2.0 interface for connection with the PC
Internal data memory	4 GB, corresponds to approx. 5000 terminal data records
Security	Encrypted storage of data and data transfer between MDU 110 and terminals

Supplied with:
- 1 ES 110 encoding station
- 1 Patch cable Cat 5, 2 m
- 1 PS6 external power supply unit
- Short instructions

Technology	Cat. No.
Mifare Classic	917.42.180

USER KEYS

FOR MIFARE TECHNOLOGY

DIALOCK KEY CARDS

Mifare Classic

- > Version: Wear and tear free (touch-free data transfer), maintenance free (without batteries), insensitive to external influences such as wetness, moisture, magnetic fields, mechanical vibrations, dust, can be reprogrammed at least 100,000 times, forgery-proof unique number
- > Material: Plastic
- > Colour: White
- > Dimensions (mm): 54 x 86 x 0.76 (credit card size)

Functionality:

- > Electronic key for Dialock
- > 4 independent locking authorisations per key card possible (blank card)
- > 3 independent locking authorisations per key card possible (card printed on both sides)

Technical data	
Data storage	≥10 years
Operating temperature	-35° to +50° (Celcius)

Technology	Packing	Cat. No.
Blank card		
Mifare Classic	1, 50 or 250 pieces	917.64.070
Printed on both sides		
Mifare Classic	1, 50 or 250 pieces	917.64.072

CARD HOLDER AND SHORT CLIP

Card holder without short clip

- > Area of application: For accommodating and protecting key cards
- > Version: 3 fixing methods for right, left or vertical dispense
- > Material: Plastic
- > Finish: Transparent

	Cat. No.
	917.94.080

SHORT CLIP

- > Area of application: For attaching the card holder to a piece of clothing
- > Version: Plastic double inset

	Cat. No.
	917.94.081

USER KEYS

FOR MIFARE CLASSIC TECHNOLOGY

MIFARE KEY TAG

For Mifare Classic

> Version: Waterproof
> Material: Plastic

Functionality:

> Electronic keys for Dialock as key tag
> 4 independent locking authorisations per key tag possible

Technical data	
Data storage	≥10 years
Operating temperature	-35° to +50° (Celcius)

Technology	Colour	Cat. No.
Mifare classic	Black	917.64.093
	Blue	917.64.098
	Red	917.64.099

KT Key tag

For Mifare Classic processor

> Version: Solid, ultrasound welded and made waterproof
> Material: Combination of stainless steel frame and impact resistant polycarbonate
> Finish: Matt

Functionality:
Electronic keys for Dialock as key tag
4 independent locking authorisation per key tag possible

Technical data	
Data storage	≥10 years
Dimensions	Ø 36 mm, height: 5.3 mm
Operating temperature	-35° to +50° (Celcius)
Transponder	Mifare Classic

Colour	Cat. No.
White	917.64.147
Black	917.64.143
Grey	917.64.145
Red	917.64.149
Blue	917.64.148
Orange	917.64.141

Order reference:
Custom print available on request

USER KEYS

FOR MIFARE CLASSIC TECHNOLOGY

PERSONALISED PRINTED DIALOCK KC KEY CARD

For Mifare Classic

- > Functionality: Electronic key for Dialock
- > Version: Wear and tear free (touch-free data transfer),maintenance free (without batteries), insensitive to external influences such as wetness, moisture, magnetic fields, mechanical vibrations, dust, forgery-proof unique number, mass printing procedure
- > Usage: Can be re-programmed at least 100,000 times.
- > Material: Plastic
- > Colour: Base colour white, print in accordance with customer specifications.

Functionality:

- > 4 independent locking authorisations (4 segments) per Dialock KC key card possible

Technical data	
Data storage	≥10 years
Ambient temperature (operation)	–35° to +50° (Celcius)
Coating	4 colours (optionally on one side or both sides)
Dimensions	54 x 85 x 0.76 mm (credit card size)
Operating temperature	–35° to +50° (Celcius)

Technology	Cat. No.
Mifare classic	917.64.071

Order reference:
Minimum order quantity: 50 pieces
Price on application please enquire.

Note:
Planning by Dialock specialists is required.
Pre-segmentation is required for data storage Dark colours on the card may influence the turn-on characteristics.

REFERENCES

Many hotel projects of different categories, demands and equipment have been implemented successfully by Häfele, Pfleiderer, Duropal and Spence doors to date. The project specialists are competent, solution-oriented partners of the architects, builders, operators, expert planners, general contractors and investors who are involved in the construction.

Hotel ibis Styles Nagold Black Forest
Architect: Ulrich Schwille Architects, Reutlingen
Operator: Success Hotel Management GmbH, Stuttgart
Investor: Accor Hotellerie Deutschland GmbH

Parkhotel Stuttgart Trade Fair Airport, Stuttgart
Architect: Asal+Traub Architects, Pforzheim
Operator: Parkhotel Stuttgart Trade Fair Airport

Hotel AVIVA, A-St. Stefan am Walde
Architect: Arkade ZT GmbH, A-Haslach
a.d. Mühl Owner / Investor
Operator: Werner Pürmayer

Park Inn by Radisson Papenburg, Papenburg
Architect: Kapels Architeckturbüro, Zetel
Owner: Johann Bunte GmbH & Co. KG, Papenburg

Hyatt Regency, Düsseldorf
Architect: SOP Architects, Düsseldorf
Owner: Projektgesellschaft Hafenspitze

HÄFELE

732.04.627 THE ELECTRONIC ACCESS CONTROL SYSTEM / 05.16

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