dormakaba

KTC 2 (III)

Operating instructions

060384-45532/18248 – 09/2025

EN

Contents

1 Information about this document

1.1 Contents and purpose

This manual facilitates the safe and efficient operation of the KTC 2 III revolving door (hereinafter also referred to as just "revolving door"). This manual constitutes a component of the product and must be stored so that it is accessible to personnel at all times. Before commencing any work, personnel must have carefully read through and understood this manual. Complying with all safety instructions and action steps provided in this manual is the basic prerequisite for safe working. The local accident prevention regulations and general safety conditions for the scope of application of the revolving door also apply.

Figures

The figures serve to provide a general understanding and may differ from the model of the revolving door that is actually delivered.

1.2 Target group

This manual is aimed at the facility operator of the revolving door.

1.3 Other applicable documents

In addition to this manual, the following documents are also applicable to the revolving door:
- The KTC 2 (III) mounting instructions
- The KTC 2 (III) user manual
- Documentation for accessories used
- Inspection log for power-operated doors

1.4 Documents storage

This manual and the applicable documents must be kept during the service life of the product and must be passed on with the product.

1.5 Symbols used

1.5.1 Hazard categories

In this manual, safety instructions are marked by symbols. The safety instructions are introduced by statement/signal words that express the extent of the hazard.

DANGER

This signal word indicates a situation of immediate risk, which will lead to death or serious injury if not avoided.

WARNING

This signal word indicates a possible hazardous situation that may result in death or serious injury if not avoided.

CAUTION

This signal word indicates a possible hazardous situation that may result in minor or slight injury if not avoided.

ATTENTION

This signal word indicates a situation of potential risk, which could lead to damage to property or the environment if not avoided.

Note

This signal word indicates useful information for efficient and trouble-free operation.

1.5.2 Further labeling

In this manual, the following labeling is used to highlight action steps, results, lists, references, and other elements:

Labeling	Explanation
1., 2., 3...	Step-by-step action steps
▸	Results of instructions for action
•	Lists without a defined sequence
Display	Screen elements (e.g. buttons, allocation of function buttons)
▸Phase ▸Phase	Sequence of the operating phases of the unit

1.6 Optional equipment

Some described options may or may not be available depending on the selected revolving door type or options. These functions/options are marked with an asterisk (*) in the document.

1.7 Customer service

Address	dormakaba Deutschland GmbH DORMA Platz 1 58256 Ennepetal Germany
Internet	www.dormakaba.com

2 Safety

2.1 Intended use

The KTC 2 III revolving door was designed as a 2-leaf revolving door with an optional sliding door for use as a doorway for people to pass through at entrances and in the interior of buildings. With the optional sliding door, the revolving door can also be used as a transport and/or ventilation opening.
The rotating ceiling has 2 integrated night shutters.
The facility operator may only operate the revolving door after the record of delivery has been received by dormakaba.
The intended use also includes compliance with all information in this manual and other applicable documents.
Any use beyond the intended use or any other kind of use is considered misuse.

2.2 Misuse

The use of control elements, settings or procedures not described in this documentation may cause electric shocks, hazards posed by electrical voltages/currents, and/or hazards posed by mechanical processes.

2.3 Reasonably foreseeable misuse

Any operation that goes beyond proper use is considered misuse.

- Children should never be allowed to enter the revolving door without adult supervision/accompaniment.
- Children should never be allowed to play in or near the revolving door.
- Do not install the revolving door over soft flooring (e.g. carpeting).
- Never mount or hang things on the revolving door.
- Never stop or block the revolving door with an object.
- Do not walk through an operating revolving door with bulky objects.
- Do not enter the revolving door in the direction counter to the direction that the door leaf revolves.
- The revolving door must not be operated if there is insufficient lighting.
- Do not start up the revolving door if it is damaged (e.g. broken glass).
- Never use replacement parts that are not approved by the manufacturer.
- People cannot be allowed to stay in the revolving door for longer than it takes to pass through the door.
- Do not walk on the ceiling of the revolving door.

2.4 Basic warnings

DANGER

Danger to life through electric current
Contact with live components such as the drive unit poses an immediate risk to life due to electric shock. Damage to the insulation or live parts can be life-threatening.

- Only qualified electricians should carry out work on live components.
- If the revolving door is damaged, switch it off immediately and have it repaired by dormakaba.
- Keep moisture away from live components, as moisture could cause a short circuit.
- Never carry out repairs yourself.
- Contact dormakaba customer service if anything is unclear.

WARNING

Risk of injury due to insufficiently qualified personnel
Insufficiently qualified personnel cannot assess the risks associated with handling the revolving door, thus putting themselves and others at risk of serious or life-threatening injury. If unqualified personnel work on the unit or stay in the unit's danger zone, this results in dangers that could cause serious injury and considerable property damages.

- All work in this manual should be carried out by the facility operator.
- All work that goes beyond what is described in this manual should be carried out by dormakaba.
- Do not allow insufficiently qualified personnel to be involved in any of the work described in this manual or any work that goes beyond what is described in this manual in any way.
- Contact dormakaba in case of any uncertainties.

WARNING

Danger of death due to deactivated safety equipment
If the emergency stop button is pushed or the "Summer" program mode is activated during operation, then existing safety equipment is not in operation. This can cause serious injuries if attempts are made to turn the door manually.

- Before turning the door manually, check to make sure that no one could be injured.

WARNING

Electric shock if the unit is not correctly de-energized

If the unit has an uninterruptible power supply (UPS), the mains connection to the control unit must be disconnected, as must the connection to the RCD/light barrier.

- Before working on the unit, ensure that the indicator lamp on the UPS is no longer illuminated.
- Before working on the unit, use a voltage tester to check that there is no voltage.
- Never open the UPS. The UPS is energized.

WARNING

Danger of death due to bad weather conditions

In bad weather conditions (e.g. thunderstorms, lightning, storms), operating the revolving door may lead to life-threatening injury or death.

- Check weather conditions before operation.
- Immediately discontinue operation in bad weather conditions.
- Lock the revolving door during storms.
- Ensure that risk-free operation is possible in the given weather conditions.

WARNING

Danger of death due to non-functional safety equipment

When the safety equipment is not functional or is deactivated, there is the danger that extremities or people may be crushed in the revolving door, possibly leading to serious injury or death.

- Ensure that all safety equipment is working properly.
- Never deactivate or bypass safety equipment.
- Ensure that all safety equipment is always accessible.

WARNING

Danger from illegible signage

Over time, labels and signs may become dirty or otherwise illegible, so that dangers may no longer be recognized and essential operating instructions cannot be followed. This could put someone at risk of injury.

- Always make sure all safety and warning notices and operating instructions are legible.
- Immediately replace damaged signs or labels.

WARNING

Danger of entanglement, crushing, and shearing when operating the revolving door

When the revolving door rotates, the closing edges can create entanglement, crushing, and shearing points, which may cause injuries.

- Trigger the emergency stop button immediately if people get between the closing edges.
- Ensure that children do not reach between the closing edges or leave other body parts inside.
- Make sure that no children play in front of or inside the revolving door.
- Ensure that nobody is in the revolving door when the emergency stop button is unlocked.
  Reason: The revolving door automatically resumes the current program setting after a time interval has elapsed.

CAUTION

Risk of injury caused by insufficient marking of the door leaves

A significant portion of the surface of a door leaf may be comprised of a transparent material. Inadequate labeling of the door leaves can pose a risk of injury to persons.

- The door leaves which are more than three quarters made of a transparent material, must be labeled at eye level so that they are clearly visible.
- The markings must be composed of sufficiently large illustrations, symbols, or colored shading.
- The markings must be easy to recognize in combination with the lighting and background where they are located.

2.5 Danger points

When passing through the revolving door, people may be at risk of injury at the following points:

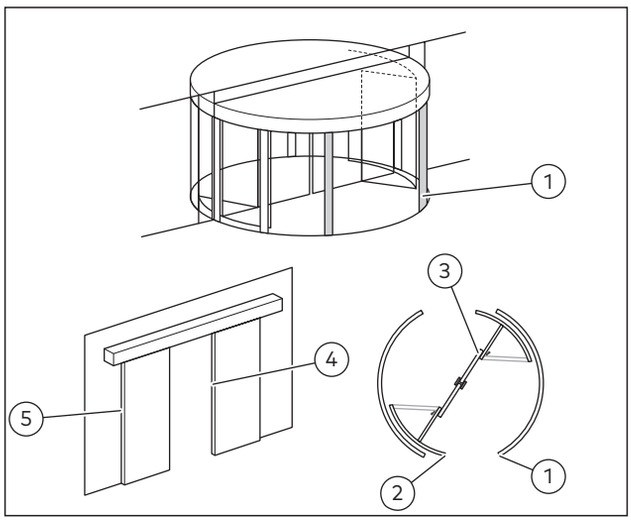

Fig. 1 Danger points

(1) Opposing closing edge
(2) Main closing edge
(3) Secondary closing edge
(4) Main closing edge (sliding door)
(5) Secondary closing edge (sliding door)

2.6 Safety equipment

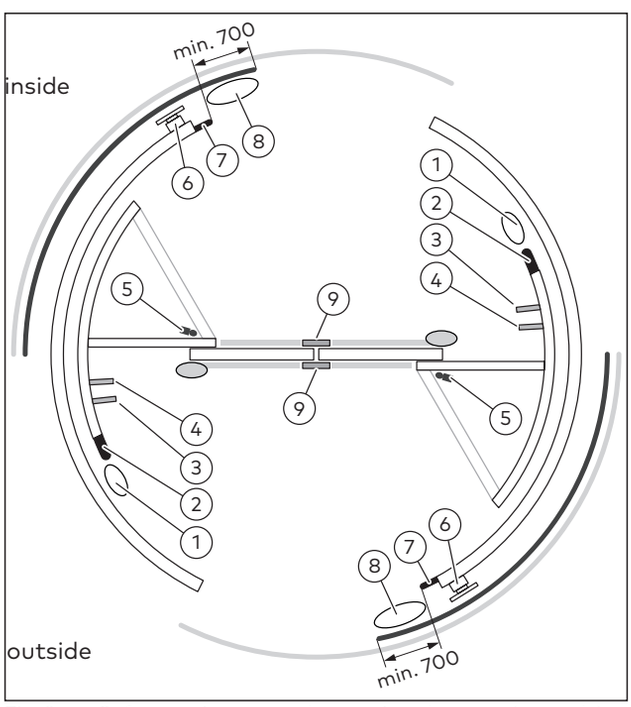

Fig. 2 Safety equipment and operating elements (example)

(1) Pre-detection sensor
(2) Passive safety bumper – vertical
(3) Light barrier 1
(4) Light barrier 2
(5) Safety switch for glass showcase doors
(6) Internal emergency stop button (outside optional)
(7) Active safety bumper
(8) Canopy sensor
(9) Safety sensor for sliding door

2.6.1 Personal protection

The optional door leaf sensors detect people approaching the revolving door leaves.
As soon as anyone enters the range of the sensors, the revolving door will slow to a lower (adjustable) speed or stop. As soon as all the people have left the range of the pre-detection sensors, the revolving door will continue with its current program settings after a restart period.

2.6.1.1 Safety bumpers

Safety bumpers are attached to the night shields and the right mullions.
If one of the passive safety bumpers (Fig. 2/2) on the night shields is touched, the revolving door will not stop. The passive safety bumper serves merely to cushion impacts. The pre-detection sensor takes over the function of the safety bumper and stops the door. The pre-detection sensor has 2 functions (2 sensor curtains): The first sensor curtain slows down the door. The second sensor curtain stops the door.
The active safety bumpers (Fig. 2/7) on the mullions are safety contact strips. The safety contact strip includes a contact that is broken when touched. If the contact is broken and the night shield's leading mullion is within 700 mm of the mullion, the revolving door stops. Once contact has been restored in the safety contact strip, the revolving door will resume operation according to its current program settings after an adjustable waiting period.

2.6.1.2 Canopy sensors

These contactless sensors (Fig. 2/8) are used to detect obstacles at the main closing edges.
If an obstacle has been detected at least 700 mm before the door leaf has reached the post, the system will immediately switch to positioning speed or stop depending on the parameter settings. The unit resumes operation when the sensors no longer detect an obstacle. The control unit tests the function of the sensors twice with each rotation. If the sensors fail, the unit moves to the start position at positioning speed.

2.6.1.3 Emergency stop button

An emergency stop button (Fig. 2/6) is located on the inside of the building on the leading mullion and possibly also on the outside of the building, depending on the options selected for the order.
When the emergency stop button is pushed, the revolving door stops immediately and the drive unit is disengaged. Then it is possible to rotate the door leaves manually.
Depending on the model, the emergency stop can be reset by pulling or turning the emergency stop button, and the revolving door will resume operation according to its current program settings.

2.6.1.4 Light barriers

The contactless sensors (Fig. 2/3 and Fig. 2/4) are mounted in the foot area horizontally between door leaf and strut. During rotation, the unit stops immediately as soon as people are detected. After leaving the safety zone, the unit restarts. Light barrier 1 slows down the door. Light barrier 2 stops the door.

2.6.1.5 Safety switch for glass showcase doors

The switches (Fig. 2/5) are located on the showcase doors.
The unit stops immediately if one of the glass door leaves is opened during rotation.
To restart the unit, the door leaves must be closed.

2.6.1.6 Speed monitoring

The speed of revolving doors of type KTC must not exceed 750 mm/s, therefore the KTC 2 model cannot be set to a higher speed.
When setting the speed, the types of users have to be considered (e.g. also disabled or elderly persons). Danger to persons must be prevented. This may require reducing the factory-set speed of 600 mm/s.

2.6.1.7 Contact for sliding door lock

If the sliding door is opened while the revolving door is rotating, the unit moves to the start position at positioning speed. To restart the unit, the sliding door must be closed.

2.6.1.8 Control unit

The unit controls are located in the ceiling. The control unit is a self-monitoring system, which immediately identifies system errors or malfunctions, then responds and displays them.

2.7 Uninterrupted power supply (UPS)

The optionally available UPS is configured in such a way that
the unit continues to operate independently of the mains voltage for a certain time (a few minutes) in the event of a power failure.
During this time the building can be left,
to move the turnstile and any night shield into the locking position and lock it.

2.8 Specific protection requirement

To the extent that the risk assessment poses a danger with regards to health or injuries,
unacceptable impact by a door user, additional protection must be provided by a safety sensor. This is particularly the case
if the door area is to be used by particularly vulnerable persons (children, elderly people or people with disabilities)
.

3 Product description

The KTC 2 revolving door was designed for use as a doorway for people to pass through at entrances and in the interior of buildings. The unit's movable door elements rotate around a virtual central axis.

3.1 EC declaration of conformity

Note

This chapter is an extract from the complete declaration of conformity.

dormakaba Deutschland GmbH
DORMA Platz 1
58256 Ennepetal
Germany

hereby declares that the product described in accordance with the provisions of the listed directive(s) and that the standards are and/or technical specifications for use which are referred to in the following
.

Directives:

2014/30/EU	EMC Directive
2006/42/EC	Machinery directive
2011/65/EU	RoHS

Harmonized European standard, national rules:
EN 13849-1
EN ISO 12100
EN 16005
EN 60335-2-103
EN 61000 - 6 - 2
EN 61000 - 6 - 3
EN 61000 - 3 - 2
EN 61000 - 3 – 3
EN IEC 63000

The technical documentation is available from the Product Compliance Manager at:
product-compliance.dach@dormakaba.com.

3.2 UKCA Declaration of Conformity

Note

This chapter is an extract from the complete declaration of conformity.

dormakaba Deutschland GmbH
DORMA Platz 1
58256 Ennepetal
Germany

hereby declares that the product described in accordance with the provisions of the listed directive(s) and that the standards are and/or technical specifications for use which are referred to in the following
.

Directives:
- Electromagnetic Compatibility Regulations 2016
- Supply of Machinery (Safety) Regulations 2008
- RoHS, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Regulation 2012

Harmonized European standard, national rules:
EN 13849-1:2015
EN ISO 12100:2010
EN 16005:2012/AC:2015
EN 60335-2-103:2015
EN 61000-6-2:2005
EN 61000-6–3:2007/A1:2011
EN 61000-3-2:2014
EN 61000-3-3:2013
EN IEC 63000:2018

The technical documentation is available from the Product Compliance Manager at:
product-compliance.dach@dormakaba.com.

3.3 Leading and trailing mullions

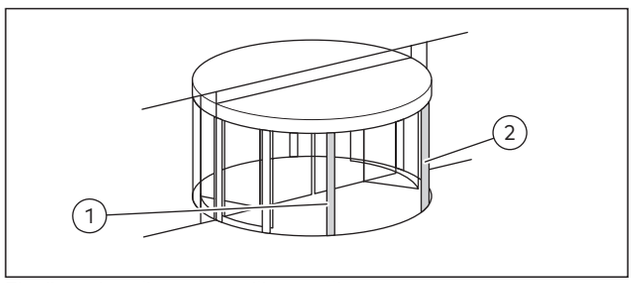

Fig. 3 Leading and trailing mullions

Leading (Fig. 3/2) and trailing mullions (Fig. 3/1) are located at the entrance and exit of the revolving door. The door leaves turn toward the leading mullion (Fig. 3/2) and away from the trailing mullion (Fig. 3/1).
Depending on the design of the revolving door, the operating elements such as emergency stop button, the Person with Limited Mobility button, program switch, etc. are located on the leading mullion (Fig. 3/2).

3.4 Operating elements

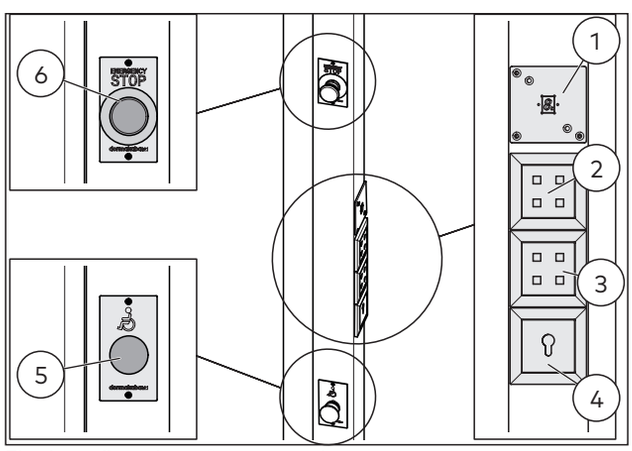

Fig. 4 Overview of the operating elements

(1) 7-segment display*
(2) Revolving door program switch (inside)
(3) Sliding door program switch (inside)
(4) Key switch*
(5) Push-button for persons with reduced mobility (inside and outside)
(6) Emergency stop button (inside and outside*)

3.4.1 Emergency stop button

An emergency stop button is located on the inside of the building on the leading mullion and optionally also on the outside of the building, depending on the order option.

3.4.2 Program switch

The program switches for the revolving door and the sliding door are located inside the building on the front mullion or are fitted separately within sight of the revolving door. A key or code secures the program switch against unauthorized access.
The functions that can be adjusted using the program switch are described in the user guide.

3.4.3 Person with limited mobility push button

Depending on the order options selected, there may be a push button for people with limited mobility at the entrance and exit of the revolving door.
When triggered, the pushbutton will reduce the current speed of the revolving door. This allows people with physical impairments (e.g. people using a wheelchair or a Rollator) more time to pass through the revolving door. The disability access button can be used in the program settings "Automatic 1", "Automatic 2", and "Night/Bank".

Note

After one full rotation at the reduced speed, the revolving door will resume operation at normal walking speed.

3.4.4 Motion sensors

The motion detectors are located at the entrance and exit (Fig. 2/4 + Fig. 2/9) of the revolving door.
When they sense an approaching person, the motion sensors transmit a start command to the control unit. The revolving door starts to rotate automatically.
If there are no longer any people within range of the motion sensors, the revolving door will slow to its positioning speed and move to the next closest starting position.

Note

In Automatic 2 mode, the revolving door will continue rotating at positioning speed even after all persons have left the range of the motion sensors.

3.5 External 7-segment display (optional)

An optional 7-segment display is mounted on the inner pillar, which is statically controlled via 4 inputs. This display can show 16 different characters.

3.6 Door lock

3.6.1 E-brake

The e-brake is integrated into the drive
. After the program switch
has been set to "Off", the
revolving door rotates at positioning speed into its locking position and the e-brake is activated.

The e-brake is deactivated,
as soon as the revolving door is switched to automatic mode using the program switch.

3.6.2 Electromechanical locking device

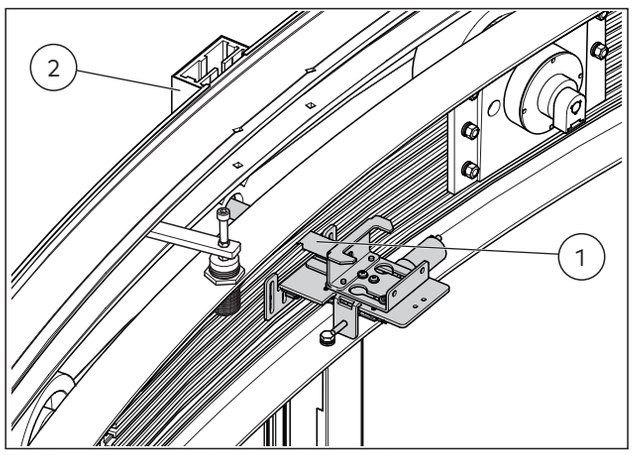

Fig. 5 Electromechanical locking device

The electromechanical locking device(Fig. 4) is located in the rotating ceiling. After the program switch has been set to "Off", the revolving door rotates at positioning speed into the locking position. The bolt (Fig. 4/1) is then pressed into the left inner post (Fig. 4/2). The electromechanical locking device unlocks, as soon as the revolving door has been set to automatic using the program switch.

3.7 Technical data

3.7.1 Mechanical information

Dimensions

Measurement	Value	Unit
Nominal diameter	3000-5400	mm
Passage height	2100-3000	mm
Number of door leaves	2	

Weight information

Measurement	Value	Unit
Door with showcase, cladding 304, CH = 300 mm, D = 5400 mm, PH – 3000 mm	2970	kg

3.7.2 Information on the drive unit

Power supply unit

Measurement	Value	Unit
Power supply	230 ± 10 %	V AC
Power frequency	50/60	Hz
Fuse supplied by the customer	16	A
Control voltage	24 ± 10%	V DC
Max. supply current for external loads	300	mA

Power consumption (without lighting, incl. sensors)

Measurement	Value	Unit
Standby mode	115	W
Positioning speed	231	W
Speed for people with reduced mobility	269	W
Walking speed (600 mm/s)	350	W
Door closed	108	W

Drive unit

Measurement	Value	Unit
Protection class	IP 20	
Operating noise LAeq	< 60	dB(A)

3.7.3 Environmental conditions

Measurement	Value	Unit
Temperature range	-20 – +60	°C
Relative humidity: (non-condensing)	< 90	%

3.8 Revolving door signage

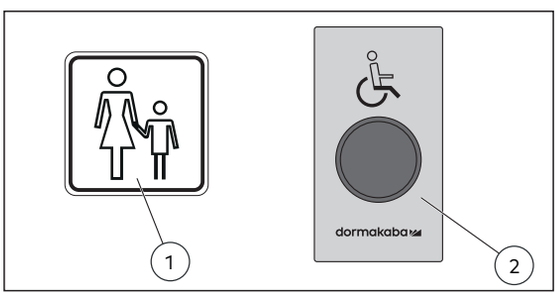

Fig. 6 Overview of labels/instruction plates

(1) Hold children by the hand
(2) Person with limited mobility push button

3.9 Identification plate

Revolving door

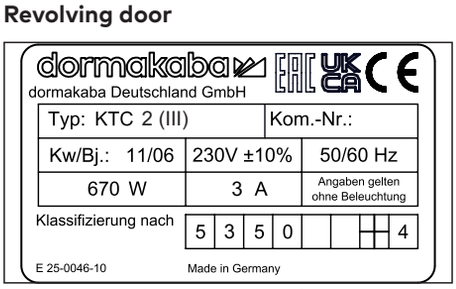

Fig. 7 Revolving door identification plate (example)

The identification plate for the revolving door (Fig. 7) is located inside the building near the façade on the drum wall profile and contains the following information:

- Name and address of the manufacturer
- Revolving door type
- Date of production
- Connected loads
- Performance values
- Environmental conditions
- IP protection class
- Conformity markings

4 Operation

4.1 Operating the program switch

The program switches are protected by a code that can be set individually. This code can be protected by an additional key switch.

4.1.1 Changing the operating mode

1. Unlock the program switch by entering the code.
   - Default = 1 - 1 - 1 - 1

Note

The last 4 digits are evaluated. If an incorrect code was entered, enter the code again.

   - The program switch is unlocked when the LED for the current operating mode flashes.
2. Press the corresponding button to set the operating mode.
   - The selected operating mode's LED flashes.
   - 1 minute after the last keystroke, the program switch is automatically locked again.

4.1.2 Change code

1. Unlock the program switch.
2. Press keys 1 and 2 simultaneously for approx. 3 seconds.
   - The LEDs for buttons 1 to 4 light up.
3. Enter the new 4-digit code.

Note

The code always has 4 digits and is limited to the numbers 1 to 4. The numbers can be entered in any order and can also be used twice.

   - 1 LED goes out after each entry.
   - As soon as all 4 digits have been entered, the new code is active (all LEDs are off).
   - The current operating mode is displayed again.

4.1.3 Unlocking the key switch

If the program switch is to be unlocked with the key switch, the code must be changed to 0 - 0 - 0 - 0.

1. Unlocking the program switch with the key switch.
2. Press keys 1 and 2 simultaneously for approx. 6 seconds.
   - After 3 seconds, LEDs 1 to 4 light up, after 6 seconds the LEDs go out again.
   - The current operating mode is displayed.
   - The code is now set to 0 - 0 - 0 - 0 and the program switch can only be unlocked with the key switch.

If the code is to be changed again, the program switch must be unlocked with the key switch. How to change the code is described in "4.1.2 Change code".

If the key switch was used to unlock the program switch:
- The program switch is automatically locked 1 minute after the last button is pressed.
- The key switch must also be used to lock the program switch.

4.1.4 Other actions:

Actions to be taken if the code can no longer be saved.

1. Switch off the power.
2. Press and hold buttons 1 and 3.
3. Switch on the power.
4. Release the keys.
   - The code is now reset to 1 - 1 - 1 - 1.
   - The program switch is in the "Off" position.

4.2 Disconnect the UPS from the unit

When working on the unit, ensure that the UPS is disconnected from the revolving door's electrical system.

Requirement
- The revolving door has moved to the start position.

1. Ensure that no one is in the revolving door.
2. Check whether the indicator lamp on the UPS is lit.
3. Switch off the operator's residual current device and light barrier.
4. Disconnect the mains connection on the control unit.
5. Use a voltage tester to check that there is no voltage.

5 Maintenance

5.1 Service by dormakaba

dormakaba offers the following services:

- Installation
- Maintenance
- Repair
- Spare parts delivery
- Retrofitting and modernization
- Updates and advice
- Education

Further information can be found at
http://www.dormakaba.com

5.2 Replacement parts

WARNING

Risk of injury due to using the wrong replacement parts!
Using incorrect or faulty replacement parts can result in dangers to personnel and also the risk of damage, malfunction, or complete failure.
- Only use original replacement parts from dormakaba or replacement parts approved by dormakaba.
- Always contact dormakaba in case of any uncertainties.

Article number	Description
9900060400041	KTC 2 (III) emergency stop button
9900060400042	KTC 2 (III) Person with limited mobility button
9900060400043	KTC 2 (III) incremental encoder
9900060400044	Castor for KTC 2 (III) incremental encoder
9900060400045	Roller for KTC 2 (III) drive
9900060400046	Castor for standard KTC 2 (III)
0005013632332	UPS MTD 700
9900060400050	KTC 2 (III) drive gear, bushing
9900060400051	Locking mechanism for KTC 2 (III) showcase
9900060400055	KTC 2 (III) safety light barrier
9900060400058	KTC 2 (III) support roller with bracket
9900060400059	KTC 2 (III) frequency inverter
9900060400060	KTC 2 (III) drive unit G50BH
9900060400056	LZR-FLATSCAN SLZ sensor (flush-mounted)

6 Cleaning

6.1 Safety while cleaning

DANGER

Danger of death due to electric current!
Anyone touching the drive unit while cleaning could sustain a life-threatening electric shock.
- Only carry out cleaning work on the revolving door when the emergency stop button is activated.
- Keep moisture away from the drive unit.
- Contact dormakaba customer service if anything is unclear.

WARNING

Risk of injury caused by automatic startup after the emergency stop button has been released!
If the emergency stop button is unlocked after cleaning work has been completed, the revolving door will continue operation in the current program setting. This could pose a risk of injury for people in the revolving door.
- Ensure that there is no one in the revolving door before releasing the emergency stop button.

CAUTION

Risk of injury caused due to wet floor!
Slipping on a wet floor can lead to a fall and injuries.
- Always soak up leaked or spilled liquids immediately.

ATTENTION

Property damages caused by improper cleaning agent!
Improper cleaning agent may damage the revolving door and cause an outage of the revolving door.
- Only use cleaning agent as described in the following cleaning plan.
- Always adhere to the manufacturer's instructions when using cleaning agents.

6.2 Cleaning plan

Warning!
Only carry out cleaning work on the revolving door when the emergency stop button is activated!

6.2.1 Daily cleaning

- Clean the floor.

- If necessary, Clean the floor or shoe-cleaning mats.
- If necessary, Remove heavily soiled mats and clean mat holder's grooves.
- Clean the night shield's floor runner.

6.2.2 Weekly cleaning

- Vacuum off door leaf brushes.
- If necessary, clean heavily soiled door leaf brushes with a commercially available shampoo.
- Clean glass surfaces with industry standard glass cleaner
- Wipe off stainless steel surfaces with industry-standard cleaner for stainless steel surfaces and a soft cleaning cloth.
- Wipe off powder-coated and anodized surfaces with an industry-standard cleaning agent using a cleaning cloth.

7 Troubleshooting

WARNING

Risk of injury due to improper mounting!
Injuries and property damages may result if malfunctions are not properly corrected.
- As the operator, only attempt the malfunction correction measures described in this manual.
- Have all other malfunction correction measures carried out exclusively by dormakaba.

7.1 Error display

As soon as a fault occurs, the LED on the program switch flashes red.
The flashing frequency indicates the error code.
Example: 1x flashing = error 1, 2x flashing = error 2, etc.
After a short pause, the flashing repeats.

Number of flashes	Status/error
0	No error
1	Watchdog error
2	Locking device error
3	Program switch error
4	Sensor errors
5	Incremental encoder error
6	Frequency converter error
7	CPU error
9	Teach-in run error
10	DCW® error
11	X-position error
12	Error when locking
13	Circumferential speed error
14	Obstacle error
15	Error in the braking speed
17	Sliding door error
18	Power failure
19	Error of the UPS power supply unit

7.2 External 7-segment display

This display is located on the right-hand inner post and shows system errors/status messages.

Display	Status/error
0	No message
1	No teach-in run has been performed
2	Low battery level, emergency power module
3	Lock defective
4	Canopy sensors active
5	Safety bumpers/showcase leaf switch active
6	Safety bumpers mullion active

Display	Status/error
7	Rotating part of the door leaf sensor active
8	Emergency stop active
9	Light barrier rotating part active
A	Motion sensor active
W	The unit is moving too fast
C	Sliding door not closed
D	Error sensor test
E	Zero point sensor not OK
ML	Program switch cannot be read

If several of these conditions occur simultaneously, they are displayed one after the other.

7.3 Troubleshooting table

Fault	Reason:	Solution
The door leaves rotate very slowly or not at all.	The door leaves are blocked by an object.	Check whether the revolving door is blocked, remove the obstruction if necessary and reset the error.
	The revolving door was blocked 3 times in the same position.	Check whether the revolving door is blocked, remove the obstruction if necessary and reset the error.
	The emergency stop button is pressed.	Check all emergency stop buttons and release them by pulling or turning.
The sliding door moves very slowly or not at all.	The sliding door is blocked by an object.	Check whether the sliding door is blocked, remove the obstacle if necessary and then reset the error.

7.4 Error reset

The errors in the troubleshooting table are reset on the revolving door using the program switch.

1. Make sure that any possible future malfunctions are prevented.
2. Ensure that no one is in the revolving door.
3. Set the program switch to "Off".
4. After waiting for at least 3 seconds, restart the revolving door using the program switch.

7.5 Check the revolving door for blockages

If an object is blocking the door leaves, the revolving door must be stopped immediately. After the emergency stop is activated, the drive unit will be disengaged and the revolving door can be rotated manually in order to check for the cause of the blockage and resolve the issue.

1. If there is an emergency stop button at the entrance or exit, push it.
   - The revolving door stops. The drive unit is unlocked and the door leaves can be turned manually.

Warning!
Risk of injury due to improper rotation!

2. Carefully turn the door leaves manually and check for blockages.
3. Remove the object blocking the door.
   - If the reason for the blockage is not visible, do not restart the revolving door and contact dormakaba customer service.
4. Free any people who may be stuck in the revolving door.

Warning!
Risk of injury due to automatic startup!

5. Ensure that no one is present in the revolving door and, if necessary, release the emergency stop buttons.
   - The revolving door will continue with the current program settings.
6. If removing an object does not eliminate the blockage, push the emergency stop button and secure the revolving door so that no one can enter. Contact dormakaba customer service.

7.6 Unlocking the electromechanical locking device in case of power failure

In the event of a power failure, a locked revolving door releases the electromechanical locking device, but the door leaves are still locked by the locking pin. The manual lock release can be used to unlock the locking pin.

1. Make sure that the program switch is turned to "Off".
2. Remove the plug (Fig. 8/2) in the left inner post to access the locking pin.

Note

The position of the plug is indicated by a sticker (Fig. 8/1). The sticker also contains instructions for unlocking the electromechanical locking device.

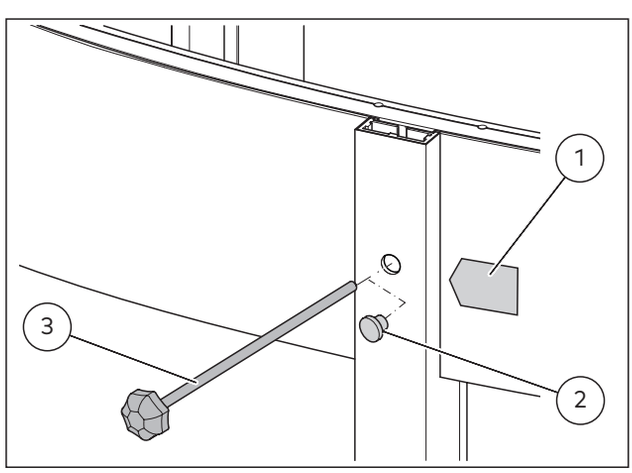

Fig. 8 Locking pin

3. Use the rod (Fig. 8/3) to push the locking pin back into the rotating ceiling.
   - ▸ The revolving door can be turned manually.

7.7 Sensors do not react to program setting

Objects (e.g. advertisement displays, ashtrays) or contaminants (e.g. foliage, puddles of water) within the range of the motion sensor and/or pre-detection sensor can cause the revolving door to behave strangely (e.g. constant turning of the door leaves).

1. Ensure that nobody is in the revolving door, then push the emergency stop button at the entrance or exit.
   - ▸ The revolving door stops. The drive unit is unlocked and the door leaves can be turned manually.
2. Check whether there are any objects or contaminants in the detection area of the canopy sensors, the motion sensors, or the pre-detection sensors of the door leaves, or the leading mullion. Remove objects or dirt if necessary.

   Warning!
   Risk of injury due to automatic startup!

3. Ensure that there is no one in the revolving door and release the emergency stop buttons.
   - ▸ After a preset restart time, the revolving door will resume operation with the current program settings.
4. If the sensors (motion sensors/pre-detection sensors) fail to react normally even after the objects or contaminants have been removed, push the emergency stop button and secure the revolving door against entry. Contact dormakaba customer service.

8 Disassembly and disposal

Disassembly is carried out in the reverse order of mounting and must be carried out by qualified personnel.

DANGER

Danger to life through electric current
Work on electrical units must only be carried out by qualified electricians.

- Before starting work on electrical systems and equipment, switch off the mains voltage and secure it against being switched on again for the entire duration of the work.

The product must be disposed of in an environmentally friendly manner. Electrotechnical parts and batteries must not be disposed of as domestic waste. Dispose of electrotechnical parts and batteries in the designated acceptance and collection points. Refer to the statutory regulations for your country.

www.dormakaba.com

dormakaba Deutschland GmbH
DORMA Platz 1
58256 Ennepetal
Germany
+49 2333 793-0

www.dormakaba.com