PORTEO

Mounting instructions

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EN

dormakaba

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1 Information about this document

This documentation contains important instructions for assembly and safe operation. Read these instructions prior to using the PORTEO. The documents are to be kept in a safe place and handed over with the unit if it is transferred/sold.
The text of the manual is supported by figures in a separate figure part. The chapter numbers in the text can be found again top left in the figures in the figure part. Not every chapter in the text section has a figure in the figure part. The figures in the figure part of the manual show the mounting at a right-opening door with hinges on the left side (DIN left). For a left-opening door with hinges on the right side (DIN right), the instructions must be mirror-inverted.

1.1 Symbols used

1.1.1 Hazard categories

DANGER

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

CAUTION

This signal word indicates a situation of potential risk, which could lead to minor or slight injury if not averted.

ATTENTION

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

Note

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

1.1.2 Further labeling

1	The picture number in the text document refers to an illustration in the picture section of the mounting instructions
1. 2.	Step-by-step graphics
1 2	Position numbers of components
6	Reference to chapter or page number

1.2 Glossary

1

(1) Rebate dimensions
(2) Lintel mounting (standard mounting)
(3) Lintel depth
(4) Door hinge
(5) Main closing edge
(6) Hinge side
(7) Opposite hinge side

2 Safety

For your safety, it is important to follow all instructions provided.
Incorrect mounting may lead to serious injuries.
The use of control elements, settings or procedures, which are not described in this documentation, may cause electric shocks, hazards posed by electrical voltages/currents and/or hazards posed by mechanical processes.

2.1 Intended use

The PORTEO is an electromechanical operator and is used exclusively for opening and closing swing doors indoors with a permissible door leaf weight of up to 140 kg.
The PORTEO is not suitable for use in escape routes, on fire protection doors (fire/smoke protection doors) or in outdoor areas.
The maximum cable length of external components must not exceed 30 m.
The door leaf is connected via slide rail or optional scissor arm.

2.2 Basic warnings

DANGER

Danger to life through electric current
Works on electrical units must only be carried out by qualified electricians.
- Before starting work on electrical units and equipment, establish a voltage-free state and maintain this state while carrying out the work.
- Never insert metal objects into the openings of the PORTEO. Doing so would risk an electric shock.
- If the PORTEO is mounted on a metallic door leaf, the door leaf must be sufficiently grounded.

CAUTION

Risk of injury by crushing
On doors with operators there is a risk of crushing and shearing on slide rail levers, rods and closing edges
- Inform the door's facility operator of the danger.

- Do not let children play with the PORTEO or its regulating and control equipment.
- Keep remote controls out of reach of children.

Special protection requirements with regard to particularly vulnerable people
Insofar as the risk assessment results in an unacceptable impact for a door user, in terms of a health risk or a risk of injury, protection must be added in the form of a safety device (connection of a sensor strip). This is to be taken into special consideration if particularly vulnerable persons (e.g. children, elderly people or disabled people) use the door area.

2.3 Danger points

Depending on the structural condition, door variant and protection option, residual risks exist (e.g. crushing, force limited impacts). Any suitable jam protection (e.g. rubber or textile cover) is available in specialist shops and is not included in the scope of delivery.

3 Product description

The PORTEO is an electromechanical operator for opening and closing swing doors indoors.

3.1 General

The PORTEO is preset for a variety of applications (default setting).
The direction of rotation, door weight, door width, mounting type, door closed position and door open position parameters determine the smooth and faultless door operation.
A number of parameters are included in the default settings, other parameters need to be determined and some are automatically determined during a learning cycle.

3.2 Functionality

The PORTEO can automatically open and close doors. The opening is triggered by a pulse, for example, by pressing a button. The motion of the drive is transmitted to the door by the slide rail or the scissor arm. Once the hold-open time elapses, the door closes again. Alternatively, the PORTEO can also be operated manually without buttons. The manual opening of the door is then supported by the drive. The closing process is automatic.

ATTENTION

Risk of damage to the operator due to blocked door. When using electrical activators, it must be ensured that an electrical door opener releases the door.

3.3 Low energy product

The PORTEO can be set in such a way that the requirements of a low energy application (Low Energy Operator) according to EN 16005 or DIN 18650, ANSI 156.19 and BS 7036-4 are met. During commissioning, the operator parameters must be compared with the specifications of the currently valid standard. Due to system tolerances, following the automatic learning cycle the actual forces on the door leaf need to be measured and, if necessary, accordingly changed to meet local standards and regulations.
The required safety of the unit is achieved by the following characteristics:

- Reduced dynamic door leaf/contact forces
- Low travel speeds
- Reduced static door leaf/contact forces
- Force limitation

The use of additional safety sensors to provide protection against rotary movement is not mandatory, but can be used as an option if this is necessary due to the risk assessment being performed on an individual basis. Protection of the secondary closing edge must be considered on a separate basis.

3.4 Parameters

The PORTEO control unit requires the following parameter specifications for internal control processes:

- the direction of rotation - left or right
- the mounting type – lintel mounting or door leaf mounting
- the mounting side – hinge side or opposite hinge side
- the lintel depth (see 4.3)
- the type of arm used – slide rail (standard) or scissor arm (option)
- the door width
- the door weight
- the position of the closed door ("Door closed" position)
- the position of the fully opened door ("Door opened" position) can be individually adjusted
- the end stop

The parameters are learned during commissioning.

3.5 Parts included

2

(1) Protective cover
(2) Operator unit
(3) Mounting plate
(4) Cover axle top
(5) Cover axle bottom
(6) Cover plates
(7) dormakaba logo
(8) Mounting screws
(9) Slide rail lever
(10) Slide rail
(11) Fixing pieces slide rail
(12) End caps slide rail
(13) Fixing materials for slide rail
(14) Fixing materials operator unit/ mounting plate
(15) Ferrules and silicone hoses
(16) Power cable
(17) Illustrated instructions (without Fig.)
(18) Text instructions (without Fig.)

3.6 Operating elements buttons, switches, DIP switches and potentiometers

3

(1) Power switch
- ON = On
- OFF = Off

(2) Program switch
- I = PowerMotion (Automatic mode)
- O = Off
- II = Permanent Open

(3) DIP switch
- A **Prior to completing commissioning**
  - ON = Scissor arm
  - OFF = Slide rail
  - **After completing commissioning**
  - ON = Electric strike release active
  - OFF = Electric strike release inactive
- B ON = Test, sensor Opposite hinge side active
  - OFF = Test, sensor Opposite hinge side inactive
- C ON = Test, sensor hinge side active
  - OFF = Test, sensor hinge side inactive
- D ON = High test active
  - OFF = Low test active

(4) Potentiometer unlocking time

(5) Service button

(6) Potentiometer speed

(7) Illuminating diode (LED, green)

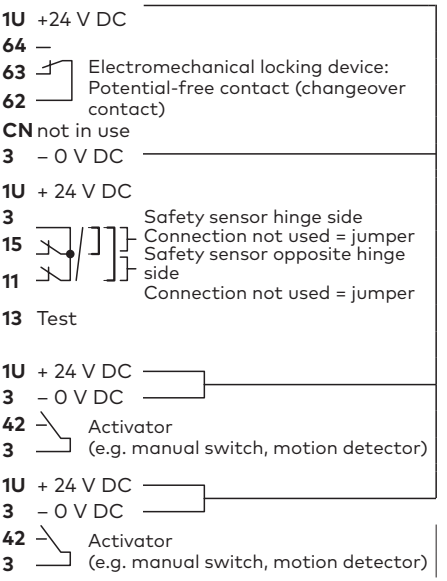
(8) Potentiometer hold-open time

(9) Potentiometer wall blanking

3.7 Connections of terminal assignments

Note

Supply voltage for external loads, 24 V DC, max. 800 mA, e.g. locking device



3.8 Technical data

Weight	3.2 kg
Power supply	230 V AC (±15%)
Fuse supplied by the customer	10 A
Temperature range	-15°C to +50°C
Relative humidity	max. 93% non-condensing

3.9 Accessories and options

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(1) Concealed cable loop

The concealed cable loop is required for mounting the operator on the door leaf.

(2) Scissor arm for lintel depths of 30–90 mm
A scissor arm is required when mounting on the opposite hinge side of the operator, if the lintel depth is greater than 30 mm. The slide rail is not needed when a scissor arm is used.

(3) Manual switch
Automatic door opening via the button. The door must also be equipped with an electrical door opener.

(4) Mounting plates 30 mm and 40 mm
To attach the slide rail to door frames, at which direct mounting is not possible (see Figure figure part)

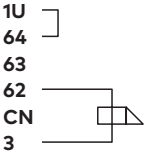
(5) Lintel casing bracket
To attach the slide rail to door frame with a deep lintel, for mounting on opposite hinge side (see Figure figure part)

(6) Glass door clamping rail
In order to fasten the slide rail to all-glass doors, no processing of the glass is required. Only for lintel mounting on hinge side. (see Fig. figure part)

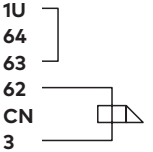
(7) BRC-R radio receiver
Prerequisite in order to control PORTEO with BRC-H hand-held transmitter, BCR-W wall switch and BRC-T potential-free button interface. The receiver board is connected with the crimp plug and positioned in the shaft (see Figure figure part). The door must also be equipped with an electrical door opener.

(8) Electrical door opener (without Fig.)
The unlocking time is infinitely adjustable from approx. 0.2 sec. – 3 sec. The connection must be based on the function of the door opener.

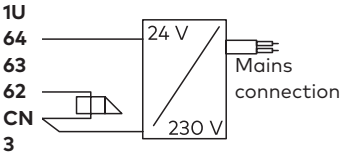
Operating current locking with internal 24 V DC power supply
De-energized closing



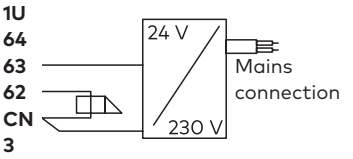
Quiescent current locking with internal 24 V DC power supply
De-energized opening



Operating current locking with external 24 V power supply
De-energized closing



Quiescent current locking with external 24 V power supply
De-energized opening



(9) Safety sensors (without Fig.)
Due to the risk assessment, the use of contactless safety devices is required. The turning range of the door must be secured by panel mounted safety sensors.

4 Mounting

The individual mounting steps are illustrated in the figure part of the manual. The figures in the figure part of the manual show the mounting at a right-opening door with hinges on the left side (DIN left). For a left-opening door with hinges on the right side (DIN right), the instructions must be mirror-inverted.

4.1 Safety during mounting

- Secure workplace against unauthorized entry. Falling parts or tools can cause injury.
- The PORTEO must be protected against water and other liquids.
- The fastening type and fastening materials, such as screws and dowels, must be adjusted to structural conditions.
- Prior to installing the PORTEO, check that the door leaf is in good mechanical order and moves easily.
- The mounting of the PORTEO described here is an example. Structural or local conditions, existing aids or other circumstances may make a different approach sensible.
- Following mounting, the settings and functioning of the PORTEO are to be checked and the safety devices with regard to their good mechanical order.
- Only qualified specialists may open the mains connection housing.
- Prior to removing the protection cover, disconnect the PORTEO from the power supply.

4.2 Mounting types

Various mounting types are possible. Additional components are required depending on the mounting type.

Lintel mounting

Standard mounting type with swing door operator on the lintel and slide rail on the door leaf. If the swing door operator is mounted on the opposite hinge side, at lintel depths greater than 30 mm a scissor arm (option) must be used.

Door leaf mounting

ATTENTION

In the case of door leaf mounting, the power cable must be protected against crushing. Use the concealed cable loop.

Mounting type with the swing door operator on the door leaf and the slide rail on the door lintel.

4.3 Preparing mounting on site

5

1. Disconnect system from power supply (remove fuse).
2. Prepare the power cables and optional control cables on site.
3. Mount optional mounting plates.
4. Mount the mounting plate.
5. Prepare and mount slide rail with fixing pieces.

4.4 Mounting

6 **Preparing the operator**

Dismantle the mains plug. This step is not needed if the power cable is used.

7 **Attaching the operator**

1. Mount the operator.
2. Route the cables through the duct provided.
3. Insert and tighten the ferrules. Pull the protective covers (silicone hoses) over the cables.
4. Screw on the cable.
5. Establish further optional connections

8 **Mounting the lever on the operator**

9 **Attaching the end caps**

10 **Connect lever with slide rail, or mount scissor arm on door leaf.**

4.5 Final installation steps

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1. If necessary, break off the cable grands at the end caps. When using the power cable, prepare the end cap.
2. Fit the dormakaba logo on the end cap.
3. Mount the end cap.
4. Position the cover plate on the switch side. Switch the power switch to the "Off" position and program switch to "0" position.
5. Place the end caps on the slide rail.
6. Adjust the potentiometer and execute commissioning. See 3.6
7. After completing commissioning, mount the end cap

5 Commissioning

The commissioning procedure can be interrupted at any time by switching off the PORTEO and restarting it.
The stored values are overwritten by a new commissioning procedure.

Note

The control unit selects the appropriate travel speed when determining the door width and door weight.
Due to system tolerances, following commissioning the actual speeds need to be checked and, if necessary, accordingly changed to meet local standards and regulations.

5.1 Requirements for commissioning

- The safety sensors have been connected.
- The buttons and electric strike release are mounted.
- Door leaves are smooth-running.
- The operator unit and door leaves are correctly connected.

5.2 Standard commissioning

Most interior doors are narrower than 1,000 mm and lighter than 60 kg. If the door situation corresponds to the above-mentioned basic values, the swing door operator can be commissioned with standard commissioning.
In case the basic values are not identical with the basic settings, extended commissioning must be performed.

Basic settings

The following parameters are stored with base values in the basic setting:

- Lintel mounting
- with slide rail
- on hinge side
- door weight up to 60 kg
- door widths up to 1,000 mm

Teaching the door operator

1. Switch power switch to "OFF" position. Switch the program switch to "0" position (middle position)

2. Open door approx. 5°

3. Simultaneously press the Service button and switch on the power switch until the door starts moving (approx. 8 sec.), then release the Service button.

▸ LED (green) flashes

→ **The control unit determines and stores the swing direction of the door during this movement.**
The door then moves to the "Door closed" position.

4. Move door into the desired open position (max. 110°)

▸ LED (green) flashes

5. Press the Service button once

▸ LED (green) 3 sec. continuous light, then flashes

→ **The control unit stores this position as the "Door open" position.**
The door then moves to the "Door closed" position.

▸ LED (green) continuous light.

→ **PORTEO ready for operation.**

5.3 Extended commissioning

In the case of scissor arms, door leaf mounting and deviations from the basic values of the original settings (see 5.2), an extended commissioning is required in which deviating values are determined and adjusted.

Door widths and permissible maximum weights

Door width	Max. door weight
600 mm	140 kg
700 mm	130 kg
800 mm	120 kg
900 mm	110 kg
1000 mm	100 kg
1100 mm	100 kg

Teaching the door operator

1. Close the door.

2. Set DIP switch "A" according to the mounting type
Scissor arm A = ON
Slide rail A = OFF

Note

Following commissioning, DIP switch "A" has a different function, see 3.6

3. Set DIP switches "B", "C" and "D" to "OFF" position.

4. Switch power switch to "ON" position

5. Switch the program switch to "0" position (middle position)

▸ LED (green) flashes

6. Open door approx. 5°

▸ LED (green) flashes

7. Press the Service button until the door moves (approx. 3 sec.)

- LED (green) 3 sec. continuous light, then flashes

→ **The control unit determines and stores the swing direction of the door during this movement.**
The door then moves to the "Door closed" position.

8. Teach-in the mounting type and arm version:
Open door approx. 60°

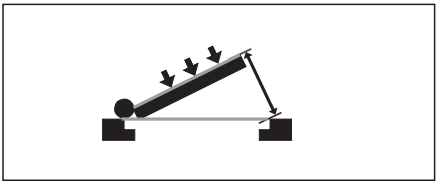
- LED (green) flashes

9. Press the Service button once

- LED (green) 3 sec. continuous light, then flashes

→ **During this procedure the control unit determines and stores the mounting type and the arm version.**

10. Open the door 420 mm



- LED (green) flashes

11. Press the Service button once

- LED (green) 3 sec. continuous light, then flashes

→ **During this procedure the control unit determines and stores the door width.**

12. Move door into the desired open position (max. 110°)

13. Press the Service button once.

- LED (green) 3 sec. continuous light, then flashes

→ **The control unit stores this position as the "Door open" position.**

→ **After 10 seconds, the door closes at low speed. The control unit starts an automatic learning cycle. Following the learning cycle, the door remains in the "Door closed" position.**

- LED (green) continuous light

→ **PORTEO ready for operation.**

5.4 Activate accessories on the operator

Set DIP switch according to the connected accessories.

Electric strike release
DIP switch A = ON (active)

Safety sensors opposite hinge side
DIP switch B = ON (test, active)

Safety sensors hinge side
DIP switch C = ON (test, active)

Safety sensor test
DIP switch D
ON =High test active
OFF =High test active

Note

When using testable safety sensors, the DIP switch must be switched to the "ON" position.

5.5 Briefing

After successfully setting, commissioning and performing a function test on the door unit, the operating instructions are to be handed out to the facility operator and a briefing shall take place.

6 Maintenance

6.1 Wear parts

The following parts are wear parts and need to be inspected and, if necessary, replaced once per year.

- Arm
- Sliding block
- Slide rail

Only original spare parts may be used.

6.2 Maintenance from dormakaba

Regular maintenance of your units pays off: weak points are detected and eliminated at an early stage and your unit's service life is increased.
dormakaba and our authorized partners offer premium maintenance service for automatic doors and hold-open systems, which gives the building operators reliable safety through the official seal of approval. If not all door units have been properly tested, the building operator may be liable for property damage and personal injury in the event of an accident. Regardless of safety aspects, regular maintenance also makes sense from an economic point of view. Any damage or wear can thus be detected and repaired at an early stage. The risk of unforeseen costs, such as high repair costs, can be minimized – and we help you to keep an eye on your budget – always with the aim of increasing the service life of your door units.
dormakaba takes over the complete organization and execution of maintenance for you. The advantage to you: all units – including units from other manufacturers – are tested by trained experts at the scheduled regular intervals. The facility operator does not have to worry about anything else, legal requirements are reliably fulfilled.
A maintenance contract around the door ensures tested functionality with a premium standard!
We want to win you over too – get a non-binding and free offer for a maintenance contract.
Further information on this and many other topics of the dormakaba service can be found on our homepage at www.dormakaba.com

6.3 Care

CAUTION

Never insert metal objects into the openings on the PORTEO. Doing so would risk an electric shock.

CAUTION

Cleaning work must only be performed in a de-energized state.

- Do not allow any water or other liquids to penetrate the PORTEO.
- Clean the operator with a damp cloth and commercial cleaners.
- To prevent any surface damage, do not use any abrasives.
- Only switch the device back on once the surfaces are dry.

7 Operation

7.1 Operation modes/functions

1. Switch power switch to "ON" position.
2. Move the program switch to the desired switch position.

7.2 Switch positions 0

The operator does not function in the 0 switch position.

→ **The door can be manually opened.**

7.3 Switch position I "PowerMotion"

When in the "PowerMotion" switch position, the opening and closing cycles are triggered by activators (e.g. buttons, radio control or transponders), if necessary, an electrical door opener may be required.

→ **When a pulse is triggered, the door moves to the "Open" position and closes automatically once the preset hold-open time elapses (5 sec. to 30 sec.).**

Note

If an opening pulse is triggered during the hold-open time (door is in "Open" position), the set hold-open time is restarted.

Note

Before actuating the program switch, ensure that the door is not closed
or locked. Otherwise, the door cannot move out of the "Closed" position.

Depending on parameterization, the "PowerLess" switch setting can be operated with two extended operation modes "PowerLess" and "Push&Go" (see 3.6).

7.3.1 "PowerLess" operation mode

In "PowerLess" operation mode, the door can be opened manually with minimal effort. The "PowerLess" function is set with potentiometer 1, see 3.6.
Opens the door manually, the motion is supported by the operator. Once the hold-open time elapses, the door closes automatically.

7.3.2 "Push&Go" operation mode

Potentiometer 1 (see 3.4) must not be in the "PowerLess" position.
The "Push&Go" function is permanently active in "PowerMotion" mode.
In "Push&Go" operation mode, the opening pulse is triggered by a manual movement of the door (opening with door handle) by approx. 3°:

- The door moves to the "Open" position and closes automatically once the hold-open time elapses.

→ **When a further opening pulse is triggered during the closing cycle (the door is opened against its swing direction), the door travels back to the set "Open" position and closes automatically once the set hold-open time elapses.**

7.3.2.1 Obstacle detection

During the opening movement
If the door meets an obstacle during the opening movement, the opening movement is immediately stopped. After approx. 3 sec. the door restarts an opening movement. If the door meets an obstacle more than three times when moving to the Open position, the door moves back to the "Door closed" position.

→ **This process is repeated for each opening pulse until the obstacle has been removed.**

During the closing movement
If the door meets an obstacle during the closing movement, the closing movement is immediately stopped.

- The door remains stopped by the obstacle. After a few seconds, the door moves several degrees in the "Open" direction. Following a waiting time, the door tries to close once again. This process is repeated three times, the door then stops by the obstacle and remains there.

→ **By manually moving the door in the "Open" or "Close" direction by approx. 3°, the door automatically continues moving in the specified direction.**

7.3.2.2 Vandalism mode

The PORTEO has a vandalism mode.
In case the door is pressed against its original driving direction during an opening or closing cycle, the gear is disabled (the door can be operated manually).
After around 5 seconds the door automatically returns to the adjusted function program.

7.3.2.3 End stop

The end stop accelerates the closing speed when the door reaches the last few degrees before it closes in order to overcome air resistance, the closing resistance of the latch and the friction caused by door sealings. The end stop is deactivated on delivery. For adjusting the end stop, see 5.3.

7.3.2.4 Blocking detection

If an opening signal is generated at a locked door, the door moves once against the door lock and turns off. Another opening signal is ignored for 5 sec. By manually moving the door in the "Open" direction, the door opens and continues in the set operation mode.

7.4 Switch position II "PermanentOpen" (permanently open)

When in the "PermanentOpen" position, the door travels to open position and remains in this position, until another operation mode is set with the aid of the program switch.

→ **Option**
"PermanentOpen" with surge current function, in the "PowerMotion" program switch position with button or hand-held remote control as activator. Press button twice in short succession or press the programmed pushbutton on the hand-held transmitter once:

→ **the door travels to the "Open" position and remains in this position. The door closes as soon as the button is pressed again twice in short succession or the programmed button on the hand-held transmitter is activated once again.**

7.5 Settings

The following settings can be made by the potentiometer (see 3.6):

- "PowerLess" operation mode
- Speed
- Hold-open time
- Opening angle or wall blanking
- Unlocking time
- End stop
- DIP switch

7.5.1 "PowerLess" operation mode

1. Switch power switch to "ON" position.

2. Switch program switch to position "I" ("PowerMotion").

3. Turn potentiometer 1 (speed) to the left as far as possible to the "PowerLess" position.

→ **In "PowerLess" operation mode, the door can be opened manually with virtually zero effort. The closing process takes place automatically once the adjustable hold-open time elapses.**

7.5.2 Speed

1. Switch power switch to "ON" position.

2. Adjust the opening and closing time (speed) with potentiometer 1.

- The default setting for the area of movement from 0° - 90° is 10 sec.
- The default setting for the area of movement from 90° - 0° is 10 sec.
- The speed is infinitely adjustable from 5 sec. to 10 sec. and applies for the area of movement from an opening angle of 0° to 90°.
  - – = lowest speed (10 sec. travel time)
  - + = highest speed (5 sec. travel time)

Note

Do not confuse the "PowerLess" position with the lowest speed position (directly in front of "PowerLess").

7.5.3 Hold-open time

1. Switch power switch to "ON" position.

2. Set the hold-open time with potentiometer 2.

- The hold-open time is infinitely adjustable from approx. 5 sec. – 30 sec.
  - – = 5 sec. hold-open time
  - + = 30 sec. hold-open time
- In the "PowerLess" operation mode/ function, the hold-open time is adjustable from approx. 0.5 sec. - 30 sec.
  - – = 0.5 sec. hold-open time
  - + = 30 sec. hold-open time

7.5.4 Wall blanking (only in connection with optional sensors)

1. Switch power switch to "ON" position.

2. Adjust the wall blanking with potentiometer 3.

The wall blanking is infinitely adjustable from approx. 80 - 110°.

- – = 80° opening angle
- + = 110° opening angle

7.5.5 Unlocking time when using an electrical door opener (option)

If an electrical door opener is connected, this is automatically detected.

1. Adjust the unlocking time.

2. Set the unlocking time with potentiometer 4.

The unlocking time is infinitely adjustable from approx. 0.2 sec. – 3 sec.

– = 0.2 sec. unlocking time

\+ = 3 sec. unlocking time

7.5.6 End stop

Note

During commissioning, DIP switch "A" has a different function.

1. Switch DIP switch A to "OFF" position.

▸ The end stop is switched off.

→ **The door is gently closed and held in the "Door closed" position.**
Suitable for smooth-running doors.

2. Switch DIP switch A to "ON" position.

▸ The end stop is switched on.

→ **The door is accelerated in the last few degrees before the "Door closed" position.**
The door is disengaged if it is closed.
Suitable for doors with high resistance.

8 Troubleshooting

Malfunction	Possible cause	Remedy
General malfunctions		Reset device: **1.** Program switch set to position "0" **2.** Switch program switch to the desired operation mode. **3.** Switch power switch to "OFF" position. **4.** Switch power switch to "ON" position after 5 sec.
LED operating display does not light up. The door does not respond.	No power supply.	Swing door operator defective.
	Loose cable connections.	Connect cable connections thoroughly.
	Cable defective.	Replace cable.
	Mains plug not inserted.	Insert the mains plug.
	Swing door operator defective.	Replace swing door operator.
LED operating display lights up. The door does not respond.	Program switch set to position "0" (central position).	Switch program switch to position "I".
	Program switch in position "II" (PermanentOpen).	Switch program switch to position "I".
	"PowerLess" operation mode is set.	Set "PowerLess" operation mode via potentiometer 1. See 3.6.
	The door was opened via the current pulse function and is in "PermanentOpen".	Close door via a new current pulse. Press the button twice in quick succession.
	Swing door operator defective.	Replace swing door operator.

Malfunction	Possible cause	Remedy
LED operating display flashes. The door does not respond.	Learning cycle was not completed.	Restart learning cycle.
	External faults.	Reset device: **1.** Program switch set to position "0" **2.** Switch program switch to the desired operation mode. **3.** Switch power switch to "OFF" position. **4.** Switch power switch to "ON" position after 5 sec.
	Electrical door opener does not open the door.	Switch DIP switch, switch A to "ON" position. Check electric strike release, repair or replace if necessary. Check cables and electrical connections, repair or replace if necessary.
	Swing door operator defective.	Replace swing door operator.
Door stops while moving.	Door moves stiffly.	Check door and area of movement. Eliminate any reason for the stiffness. Check slide rail for dirt or wear and clean or replace, if necessary.
	Obstacle in area of movement of the door.	Remove obstacle.
The door opens beyond the set opening angle.	Opening angle set incorrectly.	Repeat learning cycle.
	The screws of the slide rail lever have become loose.	Tighten screws.
The door does not reach the set opening angle.	Obstacle in area of movement.	Remove obstacle.
	Opening angle set incorrectly.	Repeat learning cycle.
	The screws of the slide rail lever have become loose.	Tighten screws.
The door opens automatically following a closing cycle.	The screws of the slide rail lever have become loose.	Tighten screws.

9 Disassembly, recycling and disposal

Both the PORTEO and its packaging predominantly consist of recyclable materials. The PORTEO and its accessories must not be disposed of in domestic waste. Ensure that the used device and any accessories are properly disposed of. Refer to the statutory regulations for your country.

10 EC declaration of conformity

dormakaba Deutschland GmbH,
DORMA Platz 1, 58256 Ennepetal
hereby declares that the product
PORTEO
conforms to the provisions of the following EC Directives and that the following standards have been applied.

EC Directives:

2014/30/EU	Electromagnetic Compatibility
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

11 EC declaration of incorporation

dormakaba Deutschland GmbH,
DORMA Platz 1, 58256 Ennepetal, Germany
hereby declares that the partly completed machine
PORTEO
complies with the following essential requirements of the Machinery Directive (2006/42/EC) - Annex I, Articles:
1.1.3, 1.1.5, 1.2.1, 1.2.3, 1.2.5, 1.2.6, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.7, 1.3.8.1, 1.3.9, 1.5.1, 1.5.2, 1.5.4- 1.5.10, 1.5.16, 1.6.1, 1.6.2, 1.6.3, 1.6.4, 1.7.1.1, 1.7.3, 1.7.4
The partly completed machine continues to comply with all relevant provisions of Directives 2014/35/EU and 2014/30/EC. It may be installed and operated in automatic door units in accordance with the Machinery Directive if the unit manufacturer ensures that all requirements resulting from the Machinery Directive are complied with and issues an EC declaration of conformity. Special technical documents have been created and are available from the Product Compliance Manager:
product-compliance.germany@dormakaba.com
They will be transmitted electronically to national authorities upon reasoned request.

Translation of the original manual, subject to change without notice

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