



Revolving door operating & maintenance manual

For power-operated doors to EN 16005

Important warranty, user information
and service record for your automatic door

Contents

Service and maintenance	2
Warranty statement	3
Door system data	4
Report for initial inspection	5
Daily Checks	6-7
Regular inspection and maintenance	8
Inspection reports	9-15

Service and maintenance

Why the necessity?

All doors, whether manual or automatic, are complex components subject to punishing wear and tear. Therefore to ensure that they continue to function properly, regular service and maintenance is imperative.

Regular door maintenance helps prevent accidents, reduces breakdowns and the accompanying inconvenience, and prolongs the life of the door operator.

There are also legal implications regarding the servicing of all door types which must be adhered to, to ensure the safety of users at all times. All safety requirements for power operated doors are stipulated in EN 16005:2012 Power operated pedestrian doorsets - Safety in use. All dormakaba service engineers are trained to comply with this standard through the Automatic Door Suppliers Association (ADSA) examination of competency.

dormakaba provides a tailored, local resource for the servicing and maintenance of all brands of:

- automatic swing
- sliding and revolving doors
- manual doors
- fire doors
- access control systems
- industrial doors
- roller shutters
- gates & barriers

For more information visit www.dormakaba.com

Warranty statement

Thank you for purchasing a dormakaba product which has been designed and manufactured to provide many year's problem-free operation.

All products sold by Dorma UK Ltd are warranted against defect in materials and workmanship for a period of 12 months from the date of purchase on a return to factory basis.

If you believe this product has a defect or has failed during normal use within the warranty period, please contact the authorised agent from whom you bought the product and who will make arrangements for its return.

Alternatively, if your product was installed by dormakaba please contact us directly as detailed below to discuss the return of the unit, with the product serial number. dormakaba standard terms and conditions will apply at all times and are available on request.

Limitations

This warranty does not apply to defects resulting from Customer actions, such as mishandling, improper installation, operation outside of design limits, misapplication, attempted repair, or unauthorized modification.

Any additional warranty provided by the selling agent does not imply or transfer any additional obligation to dormakaba regarding this product.

dormakaba standard terms and conditions will apply at all times and are available on request.

dormakaba are not liable for the consequences of any third party claim on its products, which are sold in the knowledge that installation is carried out by competent staff and maintained in accordance with current safety standards.

Service and maintenance

Please note the legal implications regarding the installation and servicing of automatic doors which must be adhered to, so as to ensure the safety of users at all times as stipulated in EN 16005:2012 Power operated pedestrian doorsets – Safety in use.

Product registration

Any decision to register your product does not affect your statutory rights under the UK Sale of Goods Act 1979.

If you would like to register your product with dormakaba please visit www.dormakaba.com Alternatively, you can contact the dormakaba UK Service Hotline on:

0800 212 380
service.uk@dormakaba.com
www.dormakaba.com

Door system data

In order that an automatic door operator may comply with the requirements of EN16005:2012 a risk assessment should be carried out prior to installation which assesses the risk to users. It is the responsibility of the installer to ensure that a door system is compliant.

To be completed by a qualified technician at installation

Manufacturer: DORMA UK Ltd, Wilbury Way, Hitchin, SG4 0AB

Type of operator/door: Revolving Door

To be completed by a qualified technician at installation

Product name: KTV/ KTV ATRIUM / KTC / GERYON / Other (please state below):

(delete as applicable).....

Sales Order No.:

Asset No.:

Year of construction.....

Commission date:

Installed by: DORMA UK Ltd / Other (please state company)

Doorset location / reference:

Additional information:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Report for initial inspection

To be completed by a qualified technician at installation

The following list of components and functions to be inspected is only a reference and shall help the inspector during inspection. From case to case, the inspection can be more or less comprehensive. In principle, the inspector has to perform a visual inspection and functional tests to check the system for completeness. In addition, the system status and the efficiency of the components and the respective safety equipment require inspection. Please consider the separate inspection instructions supplied with the individual door types.

3.1 General

- Functionality of door system
- Proper mounting
- Connections/Power supply
- Guide rails and base sections
- Force transmission/Incremental encoder
- Bearings
- Glazing, Cover
- Coating, Corrosion protection
- All documentation complete

3.2 Check safety equipment according to risk assessment to EN 16005

- Finger protection (crushing, shearing and drawing in)
- Safety sensors/Sensor monitoring
- Reversing/Stop equipment
- Safety screen
- Safety contact strips (SCS)
- Force limitation
- Emergency pushbuttons
- Safety sensors
- Fire alarm connection
- Batteries

3.3 Control elements

- Pushbuttons/switches
- Contact mats
- Radio controls/Remote controls
- Card readers
- Motion detectors

3.4 Function

- Friction clutch
- NC contact (limit switch)
- NO contact (limit switch)
- Locking device, Deactivation
- Deactivation of safety equipment
- Emergency manual operation
- Emergency Opening/Rubber cord/Auxiliary drive

3.5 Check door system for proper functioning in all operation modes

- OFF
- AUTOMATIC
- PERMANENT OPEN
- PARTIAL OPEN
- EXIT ONLY
- AUTOMATIC 1
- AUTOMATIC 2
- LOCKING DEVICES

Date of inspection:

Name of inspector (in block letters):
(Qualified technician)

Note: The safety compliance of an automatic door system is dependent on the appropriate choice and combination of other safety equipment with the operator and must be assessed as the whole system.

Daily checks - facility operator

A safety check should be performed daily by the facility operator on each automatic door.

For doors less than or equal to 3 metres internal diameter

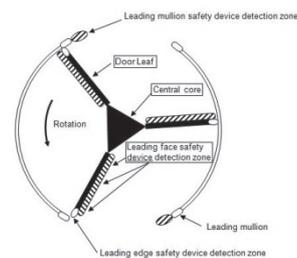
Automatic revolving door

Safety Devices

There are two types used:

1. Pressure switches activated by physical contact
2. Sensors activated by a presence in the detection zone

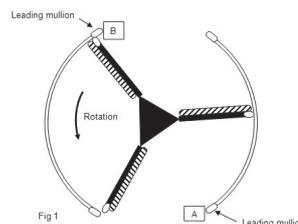
Note: In order to test the safety sensors we recommend using the approved test objects CA 200 x 300 x 700 mm & CB 300 x 65 x 100 mm Wedge as detailed in EN16005. If additional safety devices are fitted such as a Leading face sensor, and/or a Central core sensor, please refer to test instructions in Fig2a below.



Test the door safety

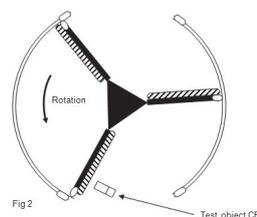
Leading mullion sensor (if fitted)

- With the door operating, place the test object CA in position A as shown in Fig 1 and verify that the door stops without hitting the test object.
- Repeat with the test object in position B.



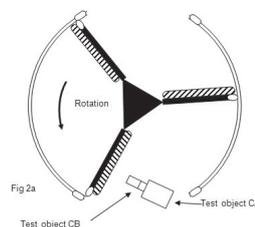
Bottom Rail pressure switch for each leaf (if fitted)

- With the door operating, place the test object CB in position shown in Fig 2
- Safety edge should touch test object and stop door without contact by door leaf



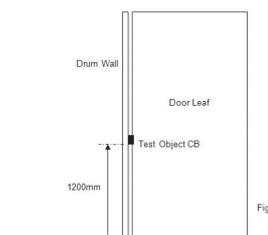
Leading face sensor for each leaf (if fitted)

- With the door operating, place test objects CA & CB in position shown in Fig 2a
- Safety sensor should detect test object CA and slow down or stop door without contact by door leaf to test object CB



Leading edge to drum wall for each leaf

- With the door operating, hold the test object CB in position shown in Fig 3
- Safety edge should touch test object and stop door without contact by door leaf



Daily checks - facility operator

Leading mullion pressure switch (if fitted)

- With the door operating, press the leading mullion buffer at position A as shown in Fig 4 and verify that the door stops
- Repeat the test in position B

Automatic operation

- Test the door operation by walking toward the door, which should begin to rotate or accelerate to normal operating speed when you reach not less than 1000mm from the threshold (Fig 5)
- The door should continue to rotate for sufficient time to allow the user to pass completely through the door
- Repeat for other entrance

Manual revolving door

Manual operation

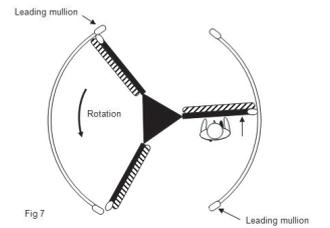
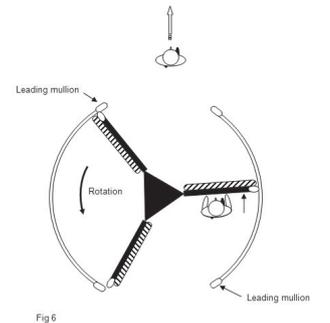
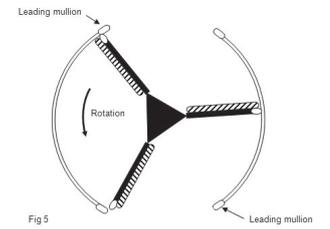
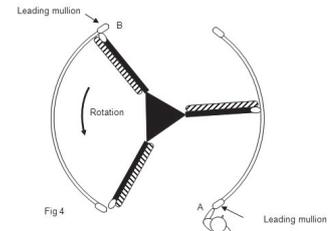
- With the door stationary, test by pushing the door in its direction of rotation (fig 6)

Power Assisted operation

- Test by pushing the door in its direction of rotation (fig 7)
- On removal of hand pressure the door should stop
- Test by pushing the door in its direction of rotation (fig 7)

General tests

- Check there are no hazards due to crushing, shearing, impact and drawing-in
- Check that the door speed is not likely to increase the risk of impact
- Check the door area does not present tripping or slipping hazards
- Check all door panels for broken/cracked glass
- Check all doors have correct warning and information signs displayed
- Check operation of manual or remote activation
- Check operation of all emergency stop buttons if fitted
- Check for distractions and obstructions in the vicinity of the doors



If you have questions about any of the above items, please contact dormakaba UK Service. Safety devices for all doors should be checked by an ADSA qualified technician at least once a year.

If you have a problem you cannot correct, turn off the door and call your local dormakaba on 0800 212 3800.

Regular inspection and maintenance

To be undertaken by a qualified technician.

The following list describes what has to be done during the maintenance of dormakaba door systems. Always consider the mounting and operation instructions during maintenance.

Please observe the requirements for fire doors, emergency exits and escape routes during inspection, if applicable. The current state of technology has to be taken into consideration when assessing the door system with regard to safety-related questions.

Note down any safety-relevant error/deficit in the log book and on the performance sheet. **The inspector must note down the scope, results and date of the inspections and the facility operator has to keep these documents for at least one year.**

Revolving door systems

1. Check the operator for leaks and unusual noise
2. Check the toothed belt for defects and tension; retighten or replace it if necessary
3. Check all the control and operating elements; adjust, repair or replace them if necessary
4. Check all the safety devices; adjust, repair or replace them if necessary
5. Check the additional options: night closing, emergency power supply, door-panel lock, locking, etc.
6. Check the electrical voltages
7. Measure the operating forces check the deviation from the measurement during the initial commissioning
8. Check the wiring, screw connections and safety distances
9. Check the condition of the sash, panel filling and curved side wall
10. Check all the door functions; for doors in escape and rescue routes: check the escape route functions, as well
11. Check the wear parts, such as the slip ring, rollers, batteries, etc; replace them if necessary (observe the complete wear part list)
12. Check the necessary markings on the door, warning labels, information labels, stickers
Please note we recommend that revolving doors are inspected at least once a year and revolving doors which are emergency exits or escape routes are inspected twice a year
13. Review and update the inspection and maintenance work in the inspection logbook

Inspection reports

The **facilities operator** should ensure that this log book is available for the qualified technician on his arrival at site. If it is not available then it is the responsibility of the **facilities operator** to record the visit.

Signature						
Name Company name (of qualified technician)						
Test report, defects if any and required action						
Service information / Work carried out						
Work Order / Asset number						
Visit date						

Visit date	Work Order / Asset number	Service information / Work carried out	Test report, defects if any and required action	Name Company name (of qualified technician)	Signature

Signature						
Name Company name (of qualified technician)						
Test report, defects if any and required action						
Service information / Work carried out						
Work Order / Asset number						
Visit date						

Visit date	Work Order / Asset number	Service information / Work carried out	Test report, defects if any and required action	Name Company name (of qualified technician)	Signature

Visit date	Work Order / Asset number	Service information / Work carried out	Test report, defects if any and required action	Name Company name (of qualified technician)	Signature

Visit date	Work Order / Asset number	Service information / Work carried out	Test report, defects if any and required action	Name Company name (of qualified technician)	Signature

Visit date	Work Order / Asset number	Service information / Work carried out	Test report, defects if any and required action	Name Company name (of qualified technician)	Signature

CENTRAL LOCATIONS

dormakaba
DORMA UK Ltd
Wilbury Way
Hitchin, Herts
SG4 0AB

dormakaba
Kaba Ltd
Lower Moor Way
Tiverton, Devon
EX16 6SS

SERVICE BRANCHES

SCOTLAND
Unit 1, Almond Road,
Middlefield Industrial Estate,
Falkirk
FK2 9HQ

LONDON NORTH & SOUTH
Wilbury Way
Hitchin
Hertfordshire
SG4 0AB

NORTH EAST
Unit 32 Crowther Road
Crowther Industrial Estate
Washington
Tyne & Wear
NE38 0AD

IRELAND
PO Box 1050
Maynooth
Co. Kildare

MIDLANDS
The Courtyard
John Harper Street
Willenhall
West Midlands
WV13 1RE

SOUTH WEST
Lower Moor Way
Tiverton
Devon
EX16 6SS

NORTH WEST
Unit 10, Meadow
Business Park Meadow
Lane, Bolton
BL2 6PT

dormakaba
Dorma UK Ltd
Wilbury Way
Hitchin
Herts
SG4 0AB
T: 0800 212380
E: service.uk@dormakaba.com
www.dormakaba.com