

KTV-M

Betriebsanleitung
Operation manual

Operation manual





Contents

	page
1. INTRODUCTION	4
1.1 Safety advices	4
1.2 Construction	4
2. WIRING	5
3. OPERATING INSTRUCTIONS	6
4. OPTIONS	6
4.1 SPEED LIMITER (OPTIONAL)	6
4.2 Manual nightshield	6
4.3 Automatic nightshield	7
5. LIGHTING	7
6. MAINTENANCE	8
6.1 Daily maintenance	8
6.2 Weekly maintenance	8
6.3 Yearly maintenance-check-up (extract from maintenance manual)	9
7. DISTURBANCES	9
8. TECHNICAL DATA OF THE DEVICE	9

1. Introduction

1.1 Safety advices

Revolving doors with drive are legally regarded as a machine. Therefore the following items have to be observed:



- Hazardous electrical voltage! May lead to electrical stroke and severe burns.
- Before working on the device, switch voltage-free and secure against re-switching on.
- Maintenance and all other works have to be performed by authorized personnel only.

The construction also requires observation of the following items.

- Upper ceiling is not accessible (access optional).
- Do not speed up the door manually.

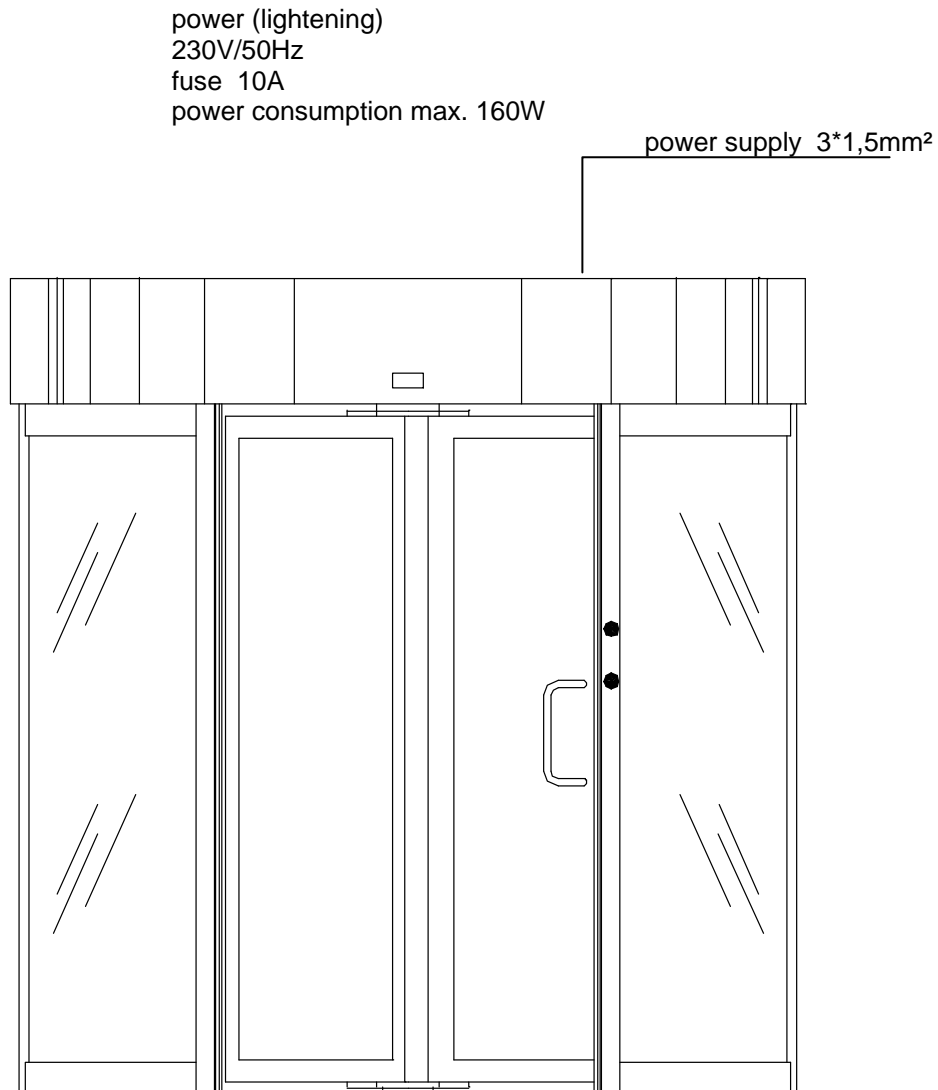
1.2 Construction

- Drum walls made of special aluminium profiles with bended glazing or aluminium sheet metal with insulation.
- Side columns with operational elements and protection strips.
- Floor ring made of stainless steel angle profiles.
- Ceiling made of DORMA aluminium profile system.
- Canopy made of bended aluminium cant sheet metal.
- Fixed turnstile 3 or 4 doorleaves incl. brush sealings.
- Optional with fine-framed or collapsible doorleaves.

2. Wiring

All wiring has to be laid by others and has to be designed for a maximum operating voltage up to 500V in accordance with VDE 0812, VDE 0245 part 202.

Use standardized cable types and watch for correct wiring and grounding.



3. Operating instructions



Children are only allowed to enter the door device when accompanied by adults. This type of door device is to be speeded up manually, an endangering of persons has to be excluded at all times.

- Children may only enter the door device when accompanied / supervised by adults.
- Do not speed up electrical driven turnstiles manually.
- Do not enter door devices with bulky items. (Devices with collapsing leaves: Position turnstile accordingly and collapse leaves).
- Enter door device speedily when enough open width is available.
- Watch for following persons when in manual use. Level walking pace accordingly.
- Keep walking direction while inside the door device.
- Follow the rotation of the door device, do not stop walking.
- Use handles at manually used door devices do not push the glass. (KTV-A without handles: at frames when breakdown)
- Do not apply body parts or any other items in the turnstile rotation.
- The door device is no playground: Watch for use according to its purpose, keep playing children away.

4. OPTIONS

4.1 *Speed limiter (optional)*

All KTV door devices are available with speed limiter. The resistance of the turnstile rises with rotation per minute, so that too much speeding is avoided.

The speed limiter is connected according to plan.

The speed limiter's operating point can be adjusted with device R2 on the control system E60-0100.

This is supposed to start with already 4 rotations/min.

4.2 *Manual nightshield*

The KTV-A is available with a manual nightshield. It is being locked via a locking cylinder from the inside at each night shield segment (the KTV-3 locking cylinder is accessible from the outside only)

How to proceed:

1. Program switch is not in locking position.
2. Use emergency-off switch.
3. The door device stops immediately.
4. Close night shield manually.
5. By means of a locking cylinder the locks will go into the prepared floor pouches. If necessary adjust the alignment from the lock to the lock opening in the floor.
Attention: closing cylinder locks with 2 turns!
6. Put program switch into locking position and unlock the emergency-off switch.
7. Door device rotates into locking position and the light is being switched off.

The unlocking proceedings are as follows:

1. Use emergency-off switch.
2. Put program switch into Automatic position.
3. Unlock nightshield manually.
Attention: closing cylinder opens with 2 turns!
4. Unlock emergency-off switch.
5. Choose requested program version via program switch.

4.3 Automatic nightshield

The door devices are also available with an automatic nightshield.

If the program switch is in locking position, the door device rotates into the locking position and remains there.

The nightshield closes and locks now automatically.

5. lighting

If the door device is not locked, the lighting is switched on all the time.

If the door is furnished with low voltage halogen lamps, it is important that only lamps with max. 12V/20W are being used.

Lighting maximum total capacity 230VAC/200W.

6 Maintenance

The device has to be checked and maintained ahead of the initial operation and if necessary, but at least once a year by authorized personnel (regulations for power-driven doors according to ZH1/494 04.89 edition).

We advise to conclude a maintenance contract with DORMA.

Wipe the floor in the bearing area with a damp cloth only. The same applies to the whole device. Otherwise the moisture might damage the turnstile bearing.

6.1 Daily maintenance

- The floor in the rotating area has to be kept clean. Dragged along parts (pebbles etc.) may lead to reduced door functions. Dirt may build up in the profiles of the footscrapping mats. The mat level is increased and leads to malfunctions of the door. Regular cleaning is therefore necessary (removal and cleaning of the mat)
- Clean lower ceiling area of the door device in order to avoid scratches on the surface by dragged along parts.

6.2 Weekly maintenance

- Clean surfaces:
- Use regular glass cleaners for all the glass.
- Wipe rust-free surfaces with sulphone soap and a non-scratchy cloth. The sulphone soap leaves a protective layer.
- Clean powdered surfaces with water and soap.
- Use non-alkaline soft soap (ph-level between 5,5 and 7) for anodized surfaces.
- Vacuum/clean brushes. In case of more intense dirt use hair shampoo. Otherwise the dirt in the brushes may scratch the surfaces of the attached areas.
- Door devices with bookfold turnstile: Fold over doorleaf and clean contact areas with a dry cloth. Otherwise dirt may lead to malfunctions of the door (and a higher wear and tear of contacts).

6.3 Yearly maintenance-check-up (extract from maintenance manual)

The device has to be checked at least once a year by authorized personnel, if requested along with a maintenance.

7. Disturbances

In case of disturbances at the device, call our Service-Hotline-Number:
Tel.: 0800/5240246 (Mo.-Fr. 7:00 - 21:00 h and Sat. 7:00 - 17:00 h)

Take possible causes and solutions from the attached list.

Adjustments at the device only to be performed by authorized personnel.

8. Technical data of the device

Power supply:	230VAC; 50-60Hz
Fuse protection by others:	1xB16A
Power input	
Lighting:	max. 200W (230VAC)
Protection mode:	IP54
Temperature scale:	-20°C to +60°C
Humidity:	dry