

# OPERATION AND MAINTENANCE GUIDE

## High Speed door AR0031



AR0031G | AR0031F-2MM | AR0031F-4MM | AR0031K | AR0031S

### Operation and maintenance:

The construction and choice of materials have been designed with particular emphasis on minimum maintenance. The gear is lubricated for life with 90 ml Shell Tivela Oil WA (alternatively: BP Energol SG 150, or Mobil Glygoyle 22, or Texaco Synlube SAE 90).

Certain parts may require maintenance.

1. The shielding on the frame legs should be removed at regular intervals, and all moving parts should be inspected and adjusted if there are any loose parts.
2. If the High Speed door is installed in a freezer room, the door leaf, frame and roller must be checked for ice formation once a month. Any ice formation will adversely affect the door and its function and must be removed immediately with a soft brush or heat gun. Determine the cause of the ice formation and take action or contact DAN-doors.

The following must be checked at least twice a year by DAN-doors or one of DAN-doors' recommended partners.

1. General inspection for wear or other damage caused by impact or similar.
2. Check the photocell in the door frame and bottom beam (anti-crushing device). This is done by activating the pinch protection while the door is closed. If the door does not return to the open position, the pinch protection is not working properly and DAN-doors should be contacted immediately.
3. Check the heating cables in the frame, the bottom rubber and, if applicable, the heating element in the control cabinet.
4. Check the spiral cable and cable connections for visible damage.
5. Report any defects or comments and ensure that they are rectified immediately.
6. Test the door and its functions at least 10 times after completing the inspection.
7. Document the date and any measures taken.

### Operation:

The door is fully automatic and is operated by pressing the open/stop/close buttons on the push-button box. Alternatively, the door can be equipped with various operating options:

1. Pull cord
2. Remote control (radio)
3. Radar
4. Photocell system
5. Induction loops

### Adjusting the automatic system:

The control system is preset upon delivery.

Standard factory settings:

Opening speed 1,6 meter per second.

Closing speed 0,3 meter per second.

Operating time timer:

1. The operating time timer is set so that, under normal circumstances, the door can reach its fully open/closed position before the operating time timer comes into effect.
2. If there is an external impact on the door during opening or closing (preventing the curtain from moving and therefore not stopping via the end stop, photocell or emergency stop strip), the motor will be interrupted by the operating time timer after a preset time to avoid overload. Shortly afterwards, the door will attempt to continue opening or closing.

Closing time timer:

1. The time the gate remains in the open position before closing automatically without further action can be set on Module 501.

The automatic system is equipped with a frequency converter that allows it to be set to open and close faster or slower than the standard settings. Changes to the door settings may only be made by DAN-doors or one of DAN-doors' recommended partners.

It must be strongly emphasised that, for safety reasons, the closing speed should not be increased where there is pedestrian traffic.

### Cleaning:

Door canvas:

The door canvas should be cleaned with soapy water.

**NOTE:** Cleaning agents containing solvents should NEVER be used.

**Stainless steel parts:**

Properties:

Resistant to water, weak acids and bases.

Has a smooth surface and is therefore easy to keep clean.

Cleaning methods:

Clean with a universal cleaning agent. Limescale deposits can be removed with a limescale remover. Rub with a white/blue nylon cloth. Rinse with water.

Not resistant to:

Prolonged exposure to salt water, hydrochloric acid, chlorides, sulphuric acid or hydrochloric acid. See the resistance table for steel grade AISI 304.