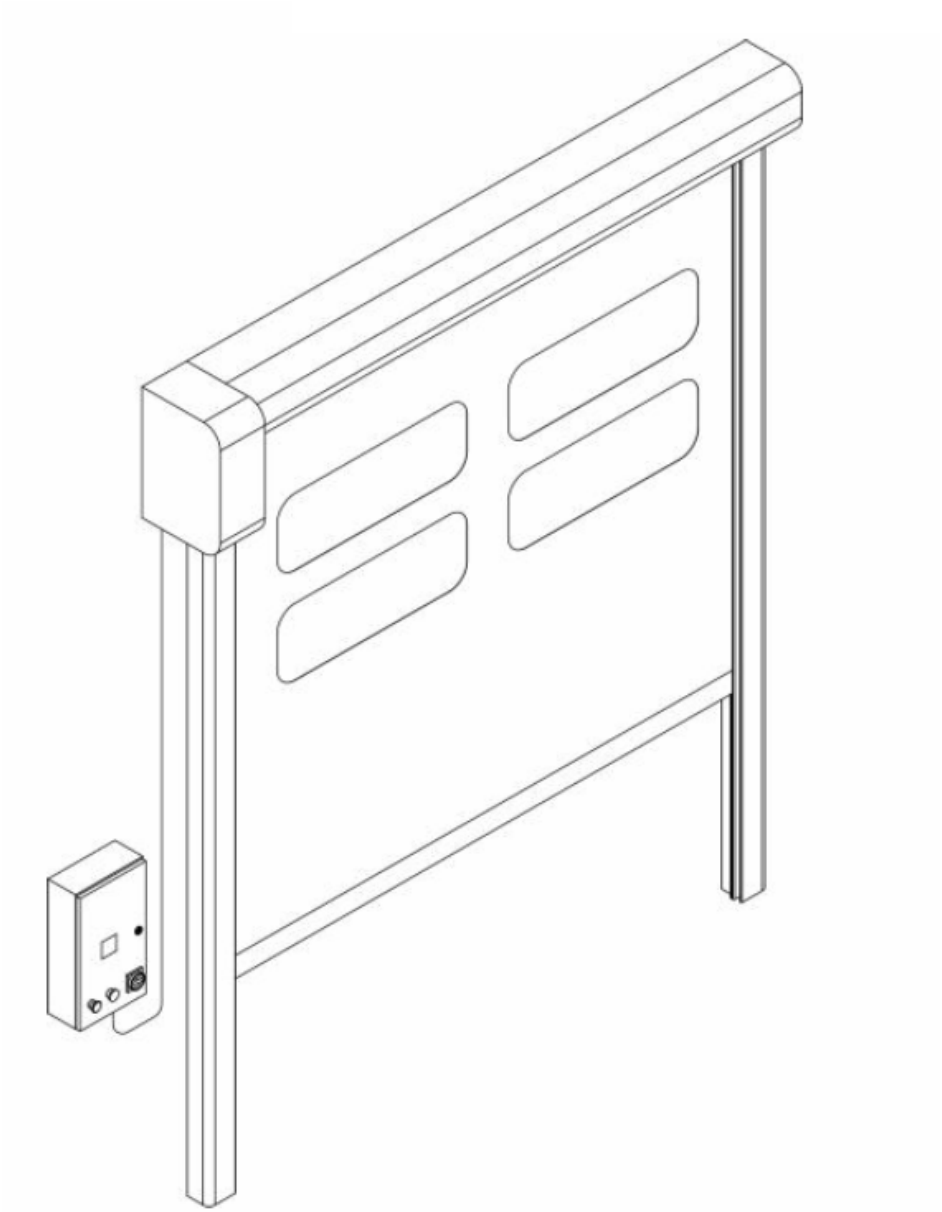
DOOR SYSTEMS

High Speed Door

User's Manual



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1. For Your Safety

Please read and observe this manual. It provides you with important information about the safe operation, cleaning, and maintenance of roller shutters. The information is for guidance only and is deemed correct at the date of issue.

- All users must read and understand this document prior to operating the door.
- Regularly inspect the door for any damages. Report any damages before use.
- Do not use the door as a hoist
- Do not climb on the door.
- Do not lean against the door or guide track.
- Ensure the door and opening is clear of any obstructions prior to use.
- Doors should be regularly maintained and inspected by a qualified engineer.
- Only qualified engineers should undertake repairs to the door.
- Do not operate the door in heavy winds.

2. Operation

There are many variations of operation available on electric doors. We have tried to cover the most common ones within this section, however, if you are not sure, please contact our service department for further advice. Please ensure that the door and opening is clear of any obstructions prior to operation. Should you experience any difficulty, please contact our service department.

Push Button Station

A push button station usually consisting of two buttons. Usually mounted internally.

To Open via Push Button Station

- Press the green 'Start' button.

Attention
- Should the door unexpectedly stop during operation and not operate there may be a motor fault. Please contact the service department
- For safety, always open the door to full height.

To Close via Push Button Station

- Ensure the opening is clear of any obstructions.
- Press the green 'Start' button. This will close the door, however, the door should close on its own after a set period of time.

Attention
- Should the door unexpectedly stop during operation and not operate it is possible the safety brake has engaged, or there is a mechanical failure. Please contact our service department
- If the door stops and returns to the open position then a motion or safety sensor has triggered. The door will attempt to close again.
- For safety, always fully close the door.

To Stop via Push Button

- If the door has been activated and is closing or opening automatically it can be stopped at any time by pressing the 'Stop' button. Some stop buttons have an emergency hold function which will keep the stop button activated until it is twisted to release.

Remote Control

A remote control key fob that usually consists of 2-4 buttons. Operation can vary depending on setup.

To Open via Remote Control

- Ensure that all locking mechanisms have been removed, the wicket door has been hinged completely to one side (if applicable), and the emergency stop button is released (if applicable).
- Press and the 'Open' button. Ensure that the door is open to the full height.

Attention
- Should the door unexpectedly stop during operation and not operate it is possible the safety brake has engaged, or there has been a mechanical failure. Please contact the service department
- For safety, always open the door to full height.

To Close via Remote Control

- Ensure the opening is clear of any obstructions.
- Press and the ‘Close’ button.

> ***Attention***
> - Should the door unexpectedly stop during operation and not operate it is possible the safety brake has engaged, or there is a mechanical failure. Please contact our service department
> - If the door stops and returns to the open position then a motion or safety sensor has triggered. The door will attempt to close again.
> - For safety, always fully close the door.

Emergency Stop Button

Some doors have an Emergency Stop Button which is a fail-safe control switch that cuts the electricity to the motor.

To Stop Operation

- Push the button to stop.

To Resume Operation

- Twist the button clockwise to release the button
- Then operate the door via the standard operator provided.

Radar

A motion sensor that detects approaching vehicles/personnel

To Open via Radar

- Approach the door. When in the line of sight of the radar, the door will open.

> ***Attention***
> - Should the door unexpectedly stop during operation and not operate there may be a motor fault. Please contact the service department
> - For safety, always open the door to full height.

Induction Loop

A vehicle sensor that detects approaching vehicles

To Open via Induction Loop

- Approach the door. When the vehicle is over the sensor mounted in the floor, the door will open.

> ***Attention***
> - Should the door unexpectedly stop during operation and not operate there may be a motor fault. Please contact the service department
> - For safety, always open the door to full height.

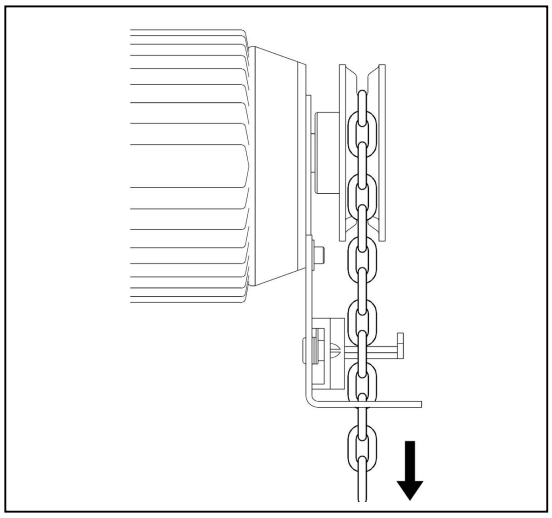
3. Manual Override

Your roller shutter may have been supplied with a manual override. The override is only designed for use in the event of a power failure and should not be in constant use. There are various overrides available depending on the motor type, we cover the 3 main options below. Please note that if there is mechanical failure of the motor or shutter, the manual override may not work.

High Level Chain Override

An override that is operated at low level but requires engaging at high level before operation.

To operate the override

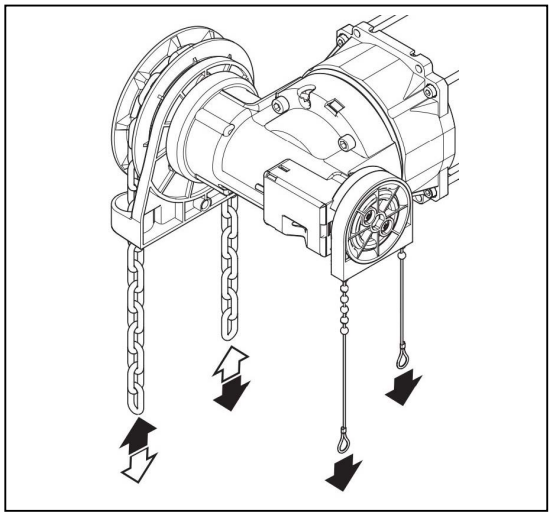


- At high level, lift the chain off the red safety switch and place it on the chain wheel.
- Gently pull the chain in either direction to operate the shutter. Once you have found the direction you require, continue until the door is fully open or closed. There may be no mechanical limitations on the travel of the shutter so be careful not over wind the override. The operation will be slow, this is normal.
- Once complete, remove the chain from the chain wheel and place back onto the red safety switch. Ensure the safety switch is fully compressed. The motor will not operate electrically until this is complete.

Low Level Chain Override

An override that is engaged and operated at low level.

To operate the override

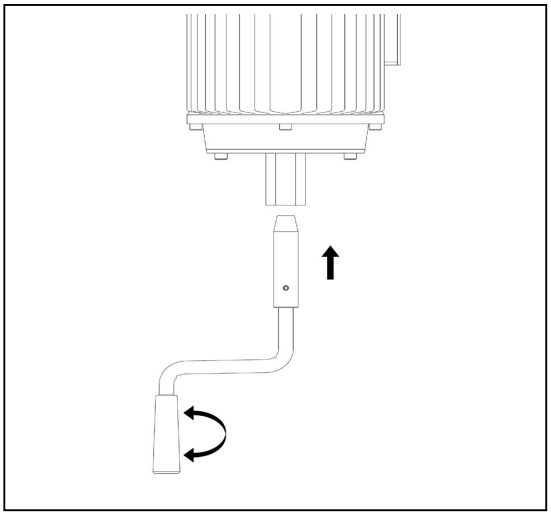


- Gently pull the red toggle handle downwards to engage the override. The motor will no longer work electrically.
- Gently pull the chain in either direction to operate the shutter. Once you have found the direction you require, continue until the door is fully open or closed. There may be no mechanical limitations on the travel of the shutter so be careful not over wind the override. The operation will be slow, this is normal.
- Once complete, gently pull the green toggle handle downwards to disengage the override. The motor will not operate electrically until this is complete.

High Level Crank Override

An override that is engaged and operated at high level.

To operate the override



- At high level, insert the hand crank (supplied separately) into the bottom of the motor as far as it will go.
- Gently turn the crank in either direction to operate the shutter. Once you have found the direction you require, continue until the door is fully open or closed. There may be no mechanical limitations on the travel of the shutter so be careful not over wind the override. The operation will be slow, this is normal.
- Once complete, remove the crank. The motor will not operate electrically until this is complete.

4. Safety Sensors

Some shutters may have been supplied with some additional safety sensors to detect the presence of persons or obstructions. This is a legal requirement on shutters that can close by just the press of a button, or have an automatic timer return.

Photo Safety Cell – Low Level

The photo safety cell is mounted close to the guides of the roller shutter at low level and emits a light beam across the opening and is either reflected back to its emitter or collected by a receiver. If the beam is obstructed during the shutter's close operation the shutter will stop and return to the fully open position until the obstruction is removed.

Please note, that if a sensor is knocked out of alignment, the beam will not register and the shutter will stay open.

Photo Safety Cell – High Level

The photo safety cell is mounted close to the guides of the roller shutter at high and emits a light beam across the opening and is either reflected back to its emitter or collected by a receiver. If the beam is obstructed during the shutter's open operation the shutter will stop. This is to prevent persons getting drawn into the drive assembly at the top of the door.

Please note, that if a sensor is knocked out of alignment, the beam will not register and the shutter will not operate.

Safety Bottom Edge

The safety bottom edge is concealed within the bottom seal of the shutter curtain and detects objects by compression of the seal (by contacting the obstruction). There are different variations available, including pneumatic, photo electric, and conductive.

Please note, that if the bottom edge of the door is damaged it is likely that the sensor will register an obstruction even if there isn't one present, and will stay open.

There are wireless sensors available which require batteries to be replaced regularly. The batteries will be found within the sensor which is mounted to the bottom rail of the shutter. Please ensure the battery voltage meets the requirements.

Laser Grid

Similar in principal to the Photo Safety Cell, but emits many sources of light with multiple receivers to cover a larger area and is therefore much safer.

Again, if a sensor is knocked out of alignment, the beam will not register and the shutter will stay open.

5. Cleaning & Maintenance

Cleaning

It is important to ensure that the door is kept clean from dust, dirt, leaves, small branches etc, especially from the guide system. General dirt and debris can build up in the guides and obstruct the travel of the door. This should be checked and cleared periodically, just with a brush.

The curtains and outside of guides can be cleaned using a rag, sponge, and general non-abrasive detergents. For your safety, please be careful not lean ladders against the curtain or guides during cleaning.

Do not attempt to clean the motor or control panel as this is potentially dangerous.

Safety photo cells should be carefully cleared using a dry rag; with care taken not to dislodge their position as this could cause the shutter to stop working.

Maintenance

Maintenance and repairs should only be undertaken by an experienced technician. Do not attempt to undertake any maintenance or repairs. Please contact our service department for a quotation.

Regulations dictate that all roller shutters be inspected for safety periodically, under a preplanned maintenance regime. The roller shutter should be inspected for safety, regularly maintained, and kept in good repair. Failure to do so could lead to damage to property or injury to persons.

The frequency of inspection is dependant upon usage. Minimal usage doors (e.g. Grain Stores) should be inspected annually, more frequently used doors (e.g a distribution centre loading bay) should be inspected every six months, and heavily used doors (e.g a car park shutter) should be inspected every three months. Contact our service department for further advice.

Daily Checks

It is advisable that before the roller shutter is used, a quick visual check for any damages should be completed. Do not attempt to repair any damages, please call our service department for help and advise.

DOOR SYSTEMS

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