



O & M MANUAL

OPERATING & MAINTENANCE
INSTRUCTIONS
SERVICE INSTRUCTIONS
MAINTENANCE RECORDS

UK ROLLER SHUTTERS

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O & M MANUAL

OPERATING & MAINTENANCE INSTRUCTIONS

SERVICE INSTRUCTIONS

MAINTENANCE RECORDS

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INTRODUCTION

An industrial door is vital everyday piece of machinery in the operation of almost every industrial building. If a door is not maintained properly it can become extremely dangerous and, if unusable, can even stop your business operations. To comply with Health & Safety regulations and to keep within our warranty it is imperative that the door be operated and maintained in accordance with these instructions. Should you require any further information or assistance with this logbook, please do not hesitate to contact us.

***These operating instructions must be passed to the owner of the door.
They should be read and understood by all personnel who will be
operating the door.***

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WARRANTY

All equipment manufactured or supplied by the Company is guaranteed against faulty materials and workmanship for a period of 12 months from the date of installation (or delivery in the case of supply only). This warranty is subject to fair wear and tear and having been maintained to our recommendations.

OPERATING INSTRUCTIONS

MANUALLY OPERATED ROLLER SHUTTER DOOR/INSULATED

These operating instructions apply to a roller shutter door which is push up, hand operated or self coiling. The door is counterbalanced by springs and should only be operated by competent personnel.

Basic Operation - To Open or Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening/closing.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

The door shall be manually opened or closed either by lifting the handles on the bottom rail of the door from opened or closed either by lifting the handles on the bottom rail of the door or by operated pole supplied, as the height dictates.

The door must be kept under control at all times and should not be allowed to free travel.

A safety brake is fitted to one end of the barrel assembly at high level, which will activate if the down-ward speed of the door is excessive. If activated, the brake will automatically lock in place and prevent the door from closing. To release the brake, simply reopen the door. Please note that continued activations of the safety brake would substantially reduce its life expectancy.

A locking device is usually supplied with the door, which will be placed on the side guides or in the centre of the bottom rail. If on the side guides, which will be placed on the side guides or in the centre of the bottom rail. If a bottom central lock is supplied, enter key into cylinder and rotate as far as possible until the locking bars retract from the side guides.

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OPERATING INSTRUCTIONS

HAND CHAIN OPERATED ROLLER SHUTTER/INSULATED

These operating instructions apply to a Roller Shutter Door, which is operated via a continuous haul chain. The door is counterbalanced by springs and should only be operated by competent personnel. The door should not be operated under severe windy conditions.

Basic Operation – To Open or Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening/closing.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Release the haul chain at the side of the door from its keep. Pull the chain in the required direction, always maintaining a steady speed and control. Never release the chain during operation. Once the door has reached its required position, place the haul chain back into its keep. The keep is supplied to accept a standard padlock so that the haul chain can be locked in place if required.

A safety brake is fitted to the non-g geared end of the barrel assembly at high level, which will activate if the downward speed of the door is excessive. If activated, the brake will automatically lock in place and prevent the door from closing. To release the brake, simply reopen the door. Please note that continued activation of the safety brake would substantially reduce its life expectancy.

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OPERATING INSTRUCTIONS

ELECTRICALLY OPERATED ROLLER SYSTEM

These operating instructions apply to a Roller Shutter Door, which is operated via a flange of foot-mounted motor drive. The door is supplied with a Safe Drive operator, which incorporates an internal safety brake. The door should only be operated by trained personnel and should not be used in severe windy conditions.

Basic Operation

To Open the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply continued pressure to the *“UP” button, positioned at the side of the door and the door will travel* vertically until it reaches its upper limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully open position. If at any point the button is released, the door will stop at its current position. To restart the open operation, simply press the *“UP” button again. If an additional means of safety is supplied with the door, such as a photoelectric safety beam, then continued pressure would not be required on the button. If at any time you need to stop the door, simply press the red emergency “STOP” button. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards “UP” to activate the door. The key switch will require continued pressure, as it is spring loaded to its “OFF” position.*

To Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from closing. Check that the area is clear of all personnel.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply continued pressure to the *“DOWN” button, positioned at the side of the door and the door will travel* vertically until it reaches its lower limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully closed position. If at any point the button is released, the door will stop at its current position. To restart the close operation, simply press the *“DOWN” button again. If an additional means of safety is supplied with the door, such as a safety edge or photoelectric safety beam, then continued pressure will not be required on the button. If at any time you need to stop the door, simply press the red emergency “STOP” button. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards “DOWN” to activate the door. The key switch will require continued pressure, as it is spring loaded to its “OFF” position.*

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OPERATING INSTRUCTIONS

ELECTRICALLY OPERATED ROLLER SYSTEM.. CONT'D

Emergency Manual Override Operation

In the event of a power failure, the door is supplied with a manual over ride system. This is via a continuous haul chain and should only be used in emergencies. *PLEASE NOTE that the emergency manual over ride system is not designed for every day use and that excessive use will cause premature failure.* To engage the manual over ride system, simply pull on the green toggle at the side of the opening that is marked "MANUAL/HAND". *This will isolate the electrical control buttons and will engage the haul chain.* Remove the haul chain from its keep and pull the haul chain in the required direction. To disengage the manual over ride system, return the haul chain to its keep and pull on the red toggle at the side of the opening that is marked "MOTOR". This will reinstate the electrical control buttons and will disengage the haul chain. The emergency manual over ride system cannot be used if the safety brake has been activated. *The SAFE DRIVE motor operator, which drives the door, is fitted with an internal safety brake. This is to prevent uncontrolled dropping of the door curtain.* If a problem occurs that would cause the safety brake to engage the door will be locked in its position and the electrics to the motor will be open circuited. Once activated, the safe drive will have to be replaced. A qualified door engineer must only carry this out.

Automatic Operation

Where a door control system is fitted, such as timed return, radio control, induction loop activation, additional safety features will be installed on the door to give the required protection. Please refer to the automation section in the instructions.

ELECTRICALLY OPERATED ROLLER SHUTTER/INSULATED

Application

These operating instructions apply to a Roller Shutter Door, which is operated via a tubular motor drive mounted within the barrel assembly.

Basic Operation

To Open the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply continued pressure to the "UP" button, *positioned at the side of the door and the door will travel vertically until it reaches its upper limit switch.* At this point the control circuit will open and the brake will engage to stop the door at its fully open position. If at any point the button is released, the door will stop at its current position... **CONT'D**

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...To restart the open operation, simply press the "UP" button again. If an additional means of safety is supplied with the door, such as a photoelectric safety beam, then continued pressure would not be required on the button. If at any time you need to stop the door, simply press the red emergency "STOP" button. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards "UP" to activate the door. The key switch will require continued pressure, as it is spring loaded to its "OFF" position.

To Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from closing. Check that the area is clear of all personnel.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply continued pressure to the "DOWN" button, positioned at the side of the door and the door will travel vertically until it reaches its lower limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully closed position. If at any point the button is released, the door will stop at its current position. To restart the close operation, simply press the "DOWN" button again. If an additional means of safety is supplied with the door, such as a safety edge or photoelectric safety beam, then continued pressure will not be required on the button. If at any time you need to stop the door, simply press the red emergency "STOP" button. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards "DOWN" to activate the door. The key switch will require continued pressure, as it is spring loaded to its "OFF" position.

A Safety brake is fitted to the non-motor end of the barrel assembly at high level. This is to prevent uncontrolled dropping of the door curtain. If a problem occurs that would cause the safety brake to engage, the door will be locked in its position and the electrics to the motor will be open circuited. To release the brake, simply reopen the door. Please note that continued activation of the safety brake would substantially reduce its life expectancy.

Emergency Manual Override Operation (if installed)

BEFORE USING THE MANUAL SYSTEM, SWITCH OFF THE POWER AT THE ISOLATOR AND REMOVE THE KEY FROM THE STARTER UNIT.

In the event of a power failure, the door is supplied with a manual over ride system. This is via a hand crank and should only be used in emergencies. PLEASE NOTE that the emergency manual over ride system is not designed for every day use and that excessive use will cause premature failure.

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OPERATING INSTRUCTIONS

PUSH UP OPERATED INSULATED SECTIONAL OVERHEAD DOOR

Application

These operating instructions apply to a Sectional Overhead Door, which is push-up or hand operated. The door is counterbalanced by springs and should only be operated by competent personnel.

Basic Operation

The door shall be manually opened or closed by the handle in the bottom panel of the door and/or by the pull down cord supplied, as the height dictates.

THE DOOR MUST BE KEPT UNDER CONTROL AT ALL TIMES AND SHOULD NOT BE ALLOWED TO FREE TRAVEL.

A locking device is usually supplied with the door which will be placed on the third panel from floor level. Locating the bolt into the hole provided in the sidetrack activates the shoot bolt lock. The lock is designed to accept a standard pad lock if required. The bolt is spring loaded, and to unlock, simply retract the bolt. Please note that it is important to ensure the bolt is fully retracted prior to operating the door.

To Open the Door

Carefully lift the door via the handle to a comfortable position at head height. The door can then be pushed to its fully open position whilst being controlled via the pull down cord. Spring buffers at the end of each door track will stop the door at its fully opened position and will prevent the door from opening too far.

To Close the Door

Pull the door down via the pull down cord to a comfortable position at head height. Then fully close the door via the handle. You may need foot pressure on the handle to obtain a good seal with the floor and to locate the shoot bolt lock.

Safety Devices

The door will be fitted with cable breakage devices and may be fitted with spring breakage devices. These will activate automatically. Please refer to Cable Breakage and Spring Breakage section of these instructions.

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OPERATING INSTRUCTIONS

HAND CHAIN OPERATED INSULATED SECTIONAL OVERHEAD DOOR

Application

These operating Instructions apply to a Sectional Overhead Door, which is operated via a continuous haul chain.

The door is counterbalanced by springs and should only be operated by competent personnel.

Basic Operation

A locking device is usually supplied with the door, which will be placed on the third panel from floor level. Locating the bolt into the hole provided in the sidetrack activates the shoot bolt lock. The lock is designed to accept a standard pad lock if required. The bolt is spring loaded, and to unlock, simply retract the bolt. Please note that it is important to ensure the bolt is fully retracted prior to operating the door.

To Open or Close the Door

Release the haul chain at the side of the door from its keep. Pull the chain in the required direction, always maintaining a steady speed and control. Never release the chain during operation. Once the door has reached its required position, place the haul chain back, into its keep. The keep is supplied to accept a standard padlock so that the haul chain can be locked in place if required.

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OPERATING INSTRUCTIONS

ELECTRICALLY OPERATED INSULATED SECTIONAL OVERHEAD DOOR

Application

These operating Instructions apply to a Sectional Overhead Door, which is electrically operated. The door is counterbalanced by springs and should only be operated by trained personnel.

Basic operation

A locking device is not usually supplied with the door as the motor drive system prevents the spring assistance of the door. If supplied, the lock will be placed on the third panel from floor level and will be fitted with an electrical interlock switch that will prevent the door from being operated whilst locked. Locating the bolt into the hole provided in the sidetrack activates the shoot bolt lock. The lock is designed to accept a standard pad lock if required. The bolt is spring loaded, and to unlock, simply retract the bolt. Please note that it is important to ensure the bolt is fully retracted prior to operating the door.

To Open the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening. ***DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED***

Apply continued pressure to the *“UP” button, positioned at the side of the door, and the door will travel vertically* until it reaches its upper limit switch and the spring buffers at the end of each track. At this point the control circuit will open and the brake will engage to stop the door at its fully open position. If at any point the button is released, the door will stop at its current position. To restart the open operation, simply press the *“UP” button again. If an additional means of safety is supplied with the door, such as a photoelectric safety beam, then continued pressure would not be required on the button. If at any time you need to stop the door, simply press the red emergency “STOP” button. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards “UP” to activate the door. The key switch will require continued pressure, as it is spring loaded to its “OFF” position.*

To Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from closing. Check that the area is clear of all personnel. ***DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED***

Apply continued pressure to the *“DOWN” button, positioned at the side of the door and the door will travel vertically* until it reaches its lower limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully closed position. If at any point the button is released, the door will stop at its current position. To restart the close operation, simply press the *“DOWN” button again. If an additional means of safety is supplied with the door, such as a safety edge or photoelectric safety beam, then continued pressure will not be required on the button..* **CONT'D**

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OPERATING INSTRUCTIONS

..If at any time you need to stop the door, simply press the red emergency *“STOP”* button. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards *“DOWN”* to activate the door. The key switch will require continued pressure, as it is spring loaded to its *“OFF”* position.

Emergency Manual Override Operation

In the event of a power failure, the door is supplied with a manual over ride system. This is via a continuous haul chain and should only be used in emergencies. PLEASE NOTE that the emergency manual over ride system is not designed for every day use and that excessive use will cause premature failure. To engage the manual over ride system, simply pull on the green toggle at the side of the opening that is marked *“MANUAL/HAND”*. This will isolate the electrical control buttons and will engage the haul chain. Remove the haul chain from its keep and pull the haul chain in the required direction. It is important that, in the closing position, the haul chain operation is stopped as soon as the door reaches the floor. If the chains are pulled beyond the door reaching the floor the lifting cable will become slack and may detach from their housing at high level.

To disengage the manual over ride system, return the haul chain to its keep and pull on the red toggle at the side of the opening that is marked *“MOT OR”*. This will reinstate the electrical control buttons and will disengage the haul chain. The emergency manual over ride system cannot be used if the cable breakage or spring breakage devices have been activated.

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OPERATING INSTRUCTIONS

ELECTRICALLY OPERATED GARAGE DOOR

Application

These operating instructions apply to a Sectional Overhead & Roller Shutter Garage Doors, which are electrically operated and Radio Controlled. The doors should only be operated by trained users.

Basic Operation

A locking device is not usually supplied with the door as the motor drive system prevents the spring assistance of the door. If supplied, the lock will be placed on the third panel from floor level and will be fitted with an electrical interlock switch that will prevent the door from being operated whilst locked.

Locating the bolt into the hole provided in the sidetrack activates the shoot bolt lock. The lock is designed to accept a standard pad lock if required. The bolt is spring loaded, and to unlock, simply retract the bolt. Please note that it is important to ensure the bolt is fully retracted prior to operating the door.

To Open or Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply pressure to the button on the hand transmitter, or the push button located adjacent to the door and the door will travel vertically until it reaches its upper limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully open position. If at any time you need to stop the door, simply press the button on the hand transmitter, or the push button. If pressed a third time, the door will start to close. The motor operator is supplied with an integral pressure sensitive device that will stop the door and reverse its travel if it meets with an obstruction during operation.

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OPERATING INSTRUCTIONS

FIRE STOPPER

PUSH UP OPERATED FIRE RESISTING ROLLER SHUTTER DOOR

Application

These operating instructions apply to a Fire Resisting Roller Shutter Door, which is push-up hand operated, or self coiling. The door is counterbalanced by springs and should only be operated by competent personnel. This door is not designed for constant daily use. The door will be fitted with a drop weight, which is captivated in its own guides and is released to close the door via a fusible link. The fusible link is designed to operate at 68 degrees C. If the drop weight is activated the fusible link will have to be replaced and the door reset by a qualified Fire Door Engineer.

Basic Operation

To Open or Close the Door

The door shall be manually opened or closed by either lifting the handles on the bottom rail of the door. The door must be kept under control at all times and should not be allowed to free travel.

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OPERATING INSTRUCTIONS

FIRE STOPPER

TUBULAR MOTOR TYPE FIRE RESISTING ROLLER SHUTTER DOOR

Application

These operating instructions apply to a Tubular Motor Fire Resisting Roller Shutter Door, which is electrically operated. Trained personnel should only operate the door. The door is not designed for constant daily use.

The door will be supplied with either an alarm interface panel with audible and visual warning or a basic alarm interface unit. These devices are designed to close the door under fire conditions.

Basic Operation

To Open the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening. ***DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.***

Apply continued pressure to the *“UP” button, positioned at the side of the door, and the door will travel vertically* until it reaches its upper limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully open position. If at any point the button is released, the door will stop at its current position. To restart the open operation, simply press the *“UP” button again. If an additional means of safety is supplied with the door, such as a photoelectric safety beam, then continued pressure would not be required on the button. If at any time you need to stop the door, simply press the red emergency “STOP” button. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards “UP” to activate the door. The key switch will require continued pressure, as it is spring loaded to its “OFF” position.*

To Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening. ***DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.***

Apply continued pressure to the *“DOWN” button, positioned at the side of the door, and the door will travel vertically* until it reaches its lower limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully closed position. If at any point the button is released, the door will stop at its current position. To restart the close operation, simply press the *“DOWN” button again. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards “DOWN” to activate the door. The key switch will require continued pressure, as it is spring loaded to its “OFF” position. The shutter is activated by a signal from the fire alarm/smoke detector or heat detector. Once activated it will provide a signal which will drive the door to a closed position under control. Once the fire signal has been cancelled the door will operate in standard mode. A UPS battery back-up unit will automatically power the shutter if electrical mains power fails (if installed).*

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OPERATING INSTRUCTIONS

FIRE STOPPER

CONTROLLED DESCENT FIRE RESISTING ROLLER SHUTTER DOOR INDUSTRIAL SPECIFICATION

Application

These operating instructions apply to a controlled Descent Fire Resisting Roller Shutter Door, which is manually or electrically operated. Trained personnel should only operate the door. The door is not designed for constant daily use. The door will be supplied with either a fusible link activated at 68 degrees C, a manual reset solenoid or an electrical reset solenoid. These devices are designed to close the door under fire conditions.

Manual Operation

To Open the Door

Release the haul chain at the side of the door from its keep. Pull the chain to open the door. Please note that the chain will only travel in one direction. The door cannot be closed via the haul chain. Once the door has reached its required position, place the haul chain into its keep. The keep is supplied to accept a standard padlock so that the haul chain can be locked in place if required.

To Close the Door

A release cord with pull ring is supplied with the drive unit. Locate the pull ring and pull. This will release the clutch in the drive unit and the door will gravity close at a controlled speed. Once the door reaches its required position release the pull ring.

Electrical Operation

To Close the Door

Check the door is not locked in any way and that there are no obstructions that may prevent the door from opening.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply continued pressure to the *"DOWN" button, positioned at the side of the door, and the door will travel vertically* until it reaches its lower limit switch. At this point the control circuit will open and the brake will engage to stop the door at its fully closed position. If at any point the button is released, the door will stop at its current position. To restart the close operation, simply press the *"DOWN" button again. If a key switch is supplied in lieu of push buttons, enter key into cylinder and turn towards "DOWN" to activate the door. The key switch will require continued pressure, as it is spring loaded to its "OFF" position.*

Emergency Manual Override Operation

To Open the Door

Release the haul chain at the side of the door from its keep. Pull the chain to open the door. As the chain is moved it will prevent the door from being operated electrically. Please note that the chain will only travel in one direction. The door cannot be closed via the haul chain. Once the door has reached its required position, place the haul chain back in to its keep. The keep is supplied to accept a standard padlock so that the haul chain can be locked in place if required.

To Close the Door

A release cord with pull ring is supplied with the drive unit. Locate the pull ring and pull. This will release the clutch in the drive unit and the door will gravity close at a controlled speed. Once the door reaches its required position release the pull ring.

Fusible Link

The fusible link is designed to activate at 68 degrees C, and once activated, it will release the clutch in the drive unit and the door will self-gravity close at a controlled speed. If activated, the fusible link will have to be replaced and the door reset by a qualified Fire Door Engineer.

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OPERATING INSTRUCTIONS

Manual Reset Solenoid

The solenoid is activated by a signal from the fire alarm or a smoke detector, and once activated, it will release the clutch in the drive unit and the door will self-gravity close at a controlled speed. If activated, the solenoid must be reset via the reset pull ring located adjacent to the drive unit at high level. A firm pull on the pull ring will reset the solenoid and the door can then be activated in the normal manner.

Electric Reset Solenoid (electrically operated doors only)

The solenoid is activated by a signal from the fire alarm or a smoke detector, and once activated, it will release the clutch in the drive unit and the door will self-gravity close at a controlled speed. If activated, the solenoid will reset as soon as the "OPEN" button is pressed. This will return the door to normal operation.

HIGH SPEED ROLL DOOR (INTERNAL)

Application

These operating instructions apply to a High Speed Fast Action Doors, with flexible curtain, which is electrically operated. Trained personnel should only operate the door. This door is designed for constant daily use in high volume traffic areas. It is not designed for security applications.

Basic Operation

To open the door via push button controls. Check that there are no obstructions that may prevent the door from opening. ***DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.***

Apply pressure to the "UP" arrow on the control panel located next to the door and the door will travel vertically until it reaches its upper limit switch. The door can be stopped at any time by pressing the "STOP" button. Due to the nature of the door it will automatically close after a preset time, which is set at time of installation. To stop the door in the open position apply pressure to the "STOP" button. To close the door after it has been stopped in the open position simply apply pressure to the "DOWN" arrow.

Automatic Operation

The door will self-open triggered by any automation such as loop detectors, motion detectors, or radio control. It will open to full height and will close after a preset time which is set at time of installation. The door comes with two safety photo cells as standard one low level and one high level. If there is any obstructions within the doorway on its down cycle the door will reverse and go to the "OPEN" position until the obstruction is removed.

Emergency Manual Override Operation

In the event of a power failure the door is supplied with a manual override system. This is via a motor ratchet mechanism.

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OPERATING INSTRUCTIONS

HIGH SPEED ROLL DOOR (INTERNAL & EXTERNAL)

Application

These operating instructions apply to a High Speed Fast Action Doors, with flexible curtain, which is electrically operated. Trained personnel should only operate the door. This door is designed for constant daily use in high volume traffic areas. It is not designed for security applications.

Basic Operation

To Open or Close the Door

To open the door via push button controls. Check that there are no obstructions that may prevent the door from opening.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply pressure to the "UP" arrow on the control panel located next to the door and the door will travel vertically until it reaches its upper limit switch. The door can be stopped at any time by pressing the "STOP" button. Due to the nature of the door it will automatically close after a preset time, which is set at time of installation. To stop the door in the open position apply pressure to the "STOP" button. To close the door after it has been stopped in the open position simply apply pressure to the "DOWN" arrow.

Automatic Operation

The door will self-open triggered by any automation such as loop detectors, motion detectors, or radio control. It will open to full height and will close after a preset time which is set at time of installation. The door comes with two safety photo cells as standard one low level and one high level. If there is any obstructions within the doorway on its down cycle the door will reverse and go to the "OPEN" position until the obstruction is removed.

Emergency Manual Override Operation

In the event of a power failure the door is supplied with a manual override system. This is via a motor ratchet mechanism.

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OPERATING INSTRUCTIONS

HIGH SPEED FOLDING DOOR (EXTERNAL)

Application

These operating instructions apply to a High Speed Fast Action Doors, with flexible curtain, which is electrically operated. Trained personnel should only operate the door. This door is designed for constant daily use in high volume traffic areas. It is not designed for security applications.

Basic Operation

To Open or Close the Door

To open the door via push button controls. Check that there are no obstructions that may prevent the door from opening.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply pressure to the up arrow on the control panel located next to the door and the door will travel vertically until it reaches its upper limit switch. The door can be stopped at any time by pressing the "STOP" button. Due to the nature of the door it will automatically close after a preset time, which is set at time of installation. To stop the door in the open position apply pressure to the "STOP" button. To close the door after it has been stopped in the open position simply apply pressure to the down arrow.

Automatic Operation

The door will self-open triggered by any automation such as loop detectors, motion detectors, or radio control. It will open to full height and will close after a preset time which is set at time of installation. The door comes with two safety photo cells as standard one low level and one high level. If there is any obstructions within the doorway on its down cycle the door will reverse and go to the open position until the obstruction is removed.

Emergency Manual Override Operation

In the event of a power failure the door is supplied with two manual steel rods, disconnect the power supply. Simply lift the curtain by means of fork lift truck insert the steel rods in pre drilled holes in each side of doorway, lower the curtain onto the steel rods. When the power is reinstated lift the curtain off the rods, then remove the rods and lower the curtain to the floor and reconnect the power supply.

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OPERATING INSTRUCTIONS

HIGH SPEED FAST ACTION DOORS (INTERNAL & EXTERNAL)

Application

These operating instructions apply to a High Speed Fast Action Door, with insulated steel/aluminium curtain, which is electrically operated. Trained personnel should only operate the door. This door is designed for constant daily use in high volume traffic areas. It is also designed for security applications.

Basic Operation

To Open or Close the Door

To open the door via push button controls. Check that there are no obstructions that may prevent the door from opening.

DO NOT ATTEMPT TO OPERATE THE DOOR UNTIL ALL OBSTRUCTIONS HAVE BEEN REMOVED.

Apply pressure to the "UP" arrow on the control panel located next to the door and the door will travel vertically until it reaches its upper limit switch. The door can be stopped at any time by pressing the "STOP" button. Due to the nature of the door it will automatically close after a preset time, which is set at time of installation. To stop the door in the open position apply pressure to the "STOP" button. To close the door after it has been stopped in the open position simply apply pressure to the "DOWN" arrow.

Automatic Operation

The door will self-open triggered by any automation such as loop detectors, motion detectors, or radio control. It will open to full height and will close after a preset time which is set at time of installation. The door comes with two safety photo cells as standard one low level and one high level. If there is any obstructions within the doorway on its down cycle the door will reverse and go to the "OPEN" position until the obstruction is removed.

Emergency Manual Override Operation

In the event of a power failure the door is supplied with a manual override system. This is via a motor ratchet mechanism.

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CLEANING METHODS

Galvanized Steel

Some Door sections are manufactured from galvanized steel are designed for external applications and require little or no maintenance under normal operating conditions. Any general build up of dust or grime should be removed with a damp cloth using a proprietary soap and water mixture.

Plastisol Faced Steel

Some door sections are manufactured from HP 200 plastisol coated steel, which require little maintenance under normal conditions. Any general build up of dust or grim should be treated as above.

Floor Guide Channels

Floor guide channels should be kept clear of debris build up on a daily basis. Build up may cause the door to jam or not close properly . Simple brushing will suffice.

Winding Gear, Motor Unit, Barrel Assemblies

Winding gear , motor units (electric doors), and barrel assemblies are generally under cover at high level and do not require Regular cleaning between planned maintenance periods.

Cleaning Materials, Solvents etc.

Heavy industrial cleaners such as trichloroethylene, paint thinners, formaldehyde, petrol, diesel, sodium bicarbonate or "Gunk" should not be used. Nor should sand or shot blasting techniques, nor oxidizing agents. White spirit may be used to remove graffiti but the door should be thoroughly washed and rinsed using a proprietary soap and water mix afterwards.

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SERVICE AND SAFETY

Service

It is essential that the door operation remains functioning in accordance with the operating instructions. To ensure this happens a documented maintenance regime shall be established and maintained by the employer in accordance with regulation 5 of the Workplace (Health, Safety and Welfare) Regulations 1992.

FAILURE TO DO SO MAY RESULT IN PROSECUTION IN THE EVENT OF AN ACCIDENT.

The company operates a service contract scheme. If you require information on Service Contracts please call the supervisor.

Service Frequency

Note: Failure to keep the door regularly maintained could invalidate the warranty .

The following recommendations are for maintenance and repairs to ensure that the door remains in full working order throughout its service life. To ensure safe and reliable operation regular inspection and maintenance is essential. The frequency is dependent on the use.

Door Cycles per day (1 cycle = open & close)	Recommended Maintenance Period
Up to 15	6 Months
Up to 30	4 Months
Up to 45	3 Months
Up to 60	2 Months

Prompt service and repairs will avoid unnecessary stress on components, which could lead to premature wear or failure.

WARNING – ACTIVITIES, WHICH INTERFERE WITH ANY PART OF THE DOOR THAT IS UNDER TENSION, MUST NOT BE UNDERTAKEN BY UNTRAINED PERSONNEL. INTERFERENCE WITH THESE COMPONENTS CAN BE DANGEROUS AND SHOULD ONLY BE UNDERTAKEN BY TRAINED PERSONNEL AS PART OF REGULAR MAINTENANCE.

Maintenance by the user

On a daily basis the user should ensure that:

- There is not damage to any parts of the door
- Excessive force is not required to operate the door
- Any damage to the door or excessive force needed to operate the door is reported and action taken as necessary to put the door in good working order .
- Components of the door and the guides are free from dirt and dust build up likely to affect the operation

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SERVICE AND SAFETY

Maintenance – by Specialist Engineer

A specialist service engineer in accordance with the service work instructions and task sheets should carry out the service and maintenance in accordance with the recommended service frequency as above.

Safety Devices

Safety Brake

Roller Shutter doors may be fitted with a safety brake as an anti-fallback device. The brake is normally installed at the opposite end to the drive system on the endplate at high level. The brake works centrifugally and will stop the shutter completely if the door curtain travels too quickly in the downward mode. Once activated, a qualified engineer will be required to reset the brake.

Safe Drive Operator

Roller shutter doors are fitted with a safe drive motor operator . This type of door does not have counterbalance springs fitted and therefore the safe drive unit is designed to take the full weight of the shutter curtain. The safe drive unit has a built in safety brake which will activate if there is a failure in the motor drive. Once activated the safe drive operator will stop the shutter completely and would have to be replaced by a qualified engineer.

Safety Edge

An opto-electronic safety edge will be fitted to a door if any level of automation is required. The safety edge is connected to a control panel and will be self monitoring. If any problem occurs with the safety edge, it will fail-safe and the door will only be able to be operated via continual pressure on the control buttons. The safety edge protects the leading edge of the door and if it comes into contact with an obstruction the door will stop automatically and reopen to its fully open position.

Safety Beam

A photoelectric safety beam may be fitted to the door to work in conjunction with a safety edge. If the beam is broken, the door will not close. If the beam is broken during closing, the door will stop and reopen to its fully open position. Please note that if the beam is out of alignment, the door will not operate.

Spring Breakage

Sectional doors may be fitted with spring breakage devices. If so they will be an integral part of the counterbalance springs at high level. They are designed to lock the spring shaft in the event of spring failure. This will prevent the door from dropping in the event of spring failure. These devices should never be tampered with in any way and if activated, should only be replaced by qualified engineers.

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SERVICE AND SAFETY

Cable Breakage

Sectional doors will be fitted with Cable Breakage devices. These devices are an integral part of the bottom

lifting brackets at each bottom corner of the bottom panel. These are designed to completely stop the door

in the event of cable failure. These devices should never be tampered with in any way and if activated, should only be replaced by qualified engineers. Please note that poor maintenance may cause inadvertent operation of these safety devices.

General Safety

The following safety instruction should be adhered to at all times, failure to do so could lead to an accident and injury:

- **Keep openings clear at all times.**
- **Do not operate a damaged door, or one that is difficult to operate. In the event that the door is found to be damaged or difficult to operate, lock the door, remove the key, leave a warning notice on the door and ensure that a qualified person inspects the door.**
- **Do not lean ladders against the door, the guides, or the casing.**
- **Stand well clear of the opening whilst the door is being operated.**
- **Operate the door only by the means provided.**
- **Do not remove the casing over the curtain roll and headgear unless the door is stopped, the chain is secured and locked in position or the power is switched off at the isolator on power operated doors.**
- **Do not use doors to lift materials or personnel.**
- **Do not dash through a closing door. Wait for it to close then reopen.**

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SERVICE CHECK SHEETS

SERVICE CHECK SHEET FOR HIGH SPEED DOORS

Note:- before operating the door, carefully inspect both internal and external sides of the door for obvious signs of wear or damage. If badly damaged, do not operate the door

Door Curtain

- Check general condition of door curtain.
- Check curtain for signs of wear or damage.
- Check curtain is securely fixed to barrel assembly .
- Check bottom section for wear or damage.
- Check seal on bottom rail section.

Side Guides

- Check all fixings are secure.
- Check condition of guide channel and straighten any slight deformations.
- Do not grease the side guides/quadrants.
- Check any locking devices fitted.
- Check that the door curtain feeds into the guides smoothly and correctly .

End Plates & Barrel Assembly at High Level

- Check fixings are secure.
- Check and lubricate all gearing.
- Check all grub screws and keys.
- Check and lubricate transmission if fitted.
- Check barrel for correct concentricity and lateral movement.
- Check the coil casing is securely fixed (if installed).
- List number of operations on service log.
- Check condition of wind bar system (if installed).

Electrical Drive System

- Check motor drive is securely fixed.
- Check the drive gearing and lubricate.
- Check operation of manual override system.
- Check electrical interlock of manual override system.
- Check door travel limits and adjust if required.
- Check correct operations of control buttons.
- Check correct operation of safety edge and coily cable (if installed).
- Check correct operation of safety beams (if installed).
- Check all other control systems (if installed).

If the door is correctly used and maintained, the motor drive system is designed to operate for at least 500,000 cycles. At this point consideration should be given to replace the motor drive

Service Label

- Complete the service label adhered to the door and logbook if available.

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SERVICE CHECK SHEETS

SERVICE CHECK SHEET FOR ROLLER SHUTTER DOORS

Note:- before operating the door, carefully inspect both internal and external sides of the door for obvious signs of wear or damage. If badly damaged, do not operate the door

Door Curtain

- Check general condition of door curtain.
- Check laths for signs of wear or damage.
- Check that endlocks fixed to the ends of laths are secure.
- Check wind anchors are secure (if installed).
- Check curtain is securely fixed to barrel assembly.
- Check bottom rail section for wear or damage.
- Check seal on bottom rail section.
- Check the operation of any locking devices fitted.

Side Guides

- Check all fixings are secure.
- Check condition of guide channel and straighten any slight deformations.
- Grease guide channel if necessary.
- Check guide stops at high level.
- Check any chain keeps fitted.
- Check that the door curtain feeds into the guides smoothly and correctly.

End Plates & Barrel Assembly at High Level

- Check fixings are secure.
- Check and lubricate all gearing.
- Check all grub screws and keys.
- Check and lubricate drive chain if fitted.
- Check haul chain.
- Check barrel for correct tension. Re-tension barrel assembly if required to correctly. Balance the door curtain.
- Check condition of safety brake if fitted.
- Check the coil casing is securely fixed (if installed).
- The springing in the barrel assembly is designed for approximately 20,000 cycles. At this point the barrel assembly should be replaced.

Electrical Drive System

Check motor drive is securely fixed.
Check the drive gearing and lubricate.
Check operation of manual override system.
Check electrical interlock of manual override system.
Check door travel limits and adjust if required.
Check correct operations of control buttons.
Check correct operation of safety edge (if installed).
Check correct operation of safety beams (if installed).
Check all other control systems (if installed).
If the door is correctly used and maintained, the motor drive system is designed to operate for at least 20,000 cycles. At this point consideration should be given to replace the motor drive

Service Label

- Complete the service label adhered to the door and logbook if available.

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SERVICE CHECK SHEETS

SERVICE CHECK SHEET FOR FIRE STOPPER FIRE SHUTTERS

Note:- before operating the door, carefully inspect both internal and external sides of the door for obvious signs of wear or damage. If badly damaged, do not operate the door.

Door Curtain

- Check general condition of door curtain.
- Check laths for signs of wear or damage.
- Check that endlocks fixed to the ends of laths are secure.
- Check curtain is securely fixed to barrel assembly .
- Check bottom rail section for wear or damage.

Side Guide

- DO NOT GREASE THE SIDE GUIDES
- Check all fixings are secure and that fusible washers are in tact.
- Check condition of guide channel and straighten any slight deformations.
- Check guide stops at high level.
- Check any chain keeps fitted.
- Check that the door curtain feeds into the guides smoothly and correctly .
- Check dropper bar guides (if installed).
- Check dropper bar system works correctly (if installed).

End Plates & Barrel Assembly at High Level

- Check fixings are secure.
- Check and lubricate all gearing.
- Check all grub screws and keys.
- Check and lubricate drive chain if fitted.
- Check haul chain.
- On "Firestopper" push up doors, check barrel for correct tension. Re-tension barrel assembly if required to correctly balance the door curtain.
- Check that the controlled descent operator is securely fixed.
- Check condition of safety brake if fitted.
- Check the coil casing and supports are securely fixed.

Simulate Fire Test

- Check condition of any fusible link or solenoid.
- Test the self-closing of the door by simulating fire conditions on 3 separate occasions.
- Test operation of any battery back up device and warning systems.
- Reset door after test is complete.

Electrical Drive System

- Check motor drive is securely fixed.
- Check the drive gearing and lubricate.
- Check operation of manual override system.
- Check electrical interlock of manual override-system.
- Check door travel limits and adjust if required.
- Check correct operation of control buttons (if installed).
- Check correct operation of safety edge (if installed).
- Check correct operation of safety beams (if installed).
- Check all other control systems (if installed).
- The controlled descent operator is not deigned to operate the door on a regular basis and should only be used sparingly

Service Label

- Complete the service label adhered to the door and logbook if available

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SERVICE CHECK SHEETS

SERVICE CHECK SHEET FOR INSULATED SECTIONAL OVERHEAD DOORS

Note:- before operating the door, carefully inspect both internal and external sides of the door for obvious signs of wear or damage. If badly damaged, do not operate the door

Horizontal and Vertical Tracks

- Check all fixings & tighten or replace if necessary .
- Check vertical alignment.
- Check horizontal alignment.
- Check wear on track.
- Check alignment of track buffer springs.

Spring Assembly & Cable Drums

- Check all bearings & bearing brackets.
- Check fixings in bearing brackets & tighten or replace if necessary .
- Check spring shaft coupling, adjust & tighten if necessary .
- Check condition of cable drums.
- Check that cable drums are aligned correctly and that they are secured to the spring shaft.
- Check all keys & keyways on shaft.
- Check spring breakage devices (if installed).
- Check haul chain assembly (if installed).
- Visual check of counterbalance springs & lubricate if necessary .

If the door is used and maintained correctly, the springing systems is designed to operate for at least 15,000 cycles. At this point the springing mechanism should be replaced

Door Lift Cables

- Check cables for signs of fraying.
- Check cables are correctly secured to bottom fixing pin.
- Check cables are correctly secured to cable drums.
- Check cables any anti-cable slack devices.

The door lifting cables should be replaced every 10,000 cycles or immediately if any signs of fraying or kinking

Door Panels and Fittings

- Check general condition of panels (externally & internally).
- Check condition of all guide rollers.
- Check all hinges and hinge pins.
- Check alignment of adjustable side hinges and adjust if necessary .
- Check that all panel fittings are securely fixed.
- Check operation of lock (if installed).
- Check operation of integral pass door (if fitted).
- Check all vision panels for damage (if fitted).
- Check condition of bottom seal.
- Check condition of top seal.
- Check condition of both side seals.
- Check condition of cable breakage devices if fitted.

Electrical Drive System

- Check motor drive is securely fixed.
- Check the drive gearing and lubricate.
- Check operation of manual override system.
- Check electrical interlock of manual override system.
- Check door travel limits and adjust if required.
- Check correct operation of control buttons.
- Check correct operation of safety edge (if installed).
- Check correct operation of safety beams (if installed).
- Check all other control systems (if installed).

Service Label

- Complete the service label adhered to the door and logbook if available.

The controlled descent operator is not deigned to operate the door on a regular basis and should only be used sparingly

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MAINTENANCE / REPAIR LOG

Date:	Work Carried Out:
Engineers Name:	
Date:	Work Carried Out:
Engineers Name:	
Date:	Work Carried Out:
Engineers Name:	
Date:	Work Carried Out:
Engineers Name:	
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