

Manual

Fire Shutter Operation Guide and Information



Our other products include interior blinds and awnings

Control operation

Rocker switch Key switch Remote Key pad Other



CAUTION

OPERATION OF SHUTTER:

Please be aware of the following when using the shutter

- Ensure nothing is obstructing the shutter on the descent or ascent
- Ensure that the shutter can move freely within the channels (side runners)
- Hands, feet etc. should be kept clear of the shutter during operation
- Your full attention is required when operating the shutter – do not walk away whilst shutter is opening or closing. Ideally the control switch (electric operation) should be mounted so you can see the operation of the shutter when using.
- Do not lower shutter when it could cause injury (e.g. people walking underneath)

General Information

- Due to the nature of roller shutters (rolling upon themselves) wear marks can be come visible, this does not affect the shutter operation or strength of the shutter.
- The shutter will roll differently each time, this can be noticed more on larger shutters.
- Heat/Cold (i.e. sunlight) can cause the metal to expand and affect the rolling of the shutter, making the coil of the shutter roll larger.
- Noise (creaking) of the shutter slats as they roll is normal

Shutter operation under fire alarm conditions

- When the fire alarm is activated the shutter will auto close, once the fire alarm has deactivated the shutter can be raised by the key/rocker switch
- If an audio/visual panel is fitted please see the section on the other page



DANGER
240 volts

Motor supply and control is 240v



DANGER
electric shock risk

Working on the motor and electric system for the shutter only to be carried out by shutter/trained engineers. The shutter electric supply must be fused and any work carried out the supply electric supply turned off.



Override system: A manual override allows you to raise/close the shutter if there is a power failure /electric issue. This work either by a handle with a rod at the top that fits the motor opening or a handle with a hook at the end that you hook into an eye from the motor. Once you have inserted the hook or the rod into the motor system you can turn the handle and raise or lower the shutter. PLEASE NOTE THE MANUAL OVERRIDE IS TO BE USED IN AN EMERGENCY AND NOT FOR EVERY DAY USE.



DO NOT USE

DO NOT TRY TO USE THE SWITCH WHEN USING THE OVERRIDE SYSTEM

Risk Assessment

If the sole intended use of the shutter is in a conventional manner, under safe working practise and health and safety in the workplace, all upwards moving doors must be provided with an effective means of protecting them from falling back and causing injury. Therefore it would require a safety bearing.

Please note: Not all shutters require a safety bearing, e.g. some windows where people would not walk/work underneath them.

Safety bearing fitted to installed shutter: YES / NO

Cleaning

- Light wash the shutter lath if needed.
 - Keep channels clear.
-

Maintenance

Channels may require greasing or silicon applied to keep smooth running

Motor Unit

The motor unit has an inbuilt thermal trip unit which will activate once the motor unit reaches a pre-determined temperature. Repetitive use will activate this. Please wait approximately ten minutes for the unit to return to normal operating temperature.

Battery back up unit (only if tube motor external chain drive motors see below)

Principally the tube motor fire shutter requires a maintained supply; if this cannot be achieved then effectively the shutter will require a battery back up unit. If under fire conditions there is a power failure the shutter must have a means of ensuring closure, the unit provided will give the facility for at least one operation under fire conditions. The unit must have a mains supply all the times (unless power/fire conditions)

Added notes

In the case of 2 shutters fitted, with relay system to operate 2 shutters from one switch (key switch) one shutter will always close/open a little more quickly than the other – this is due to the relay system and is not a fault. Please ensure both shutters are down or open before turning off key/switch.

Using Key switch control

When a key switch is installed, insert the key and turn the key to the left or right (see the up and down arrows on the key switch plate) as to which way you would like to use the shutter, open the shutter or close. Do not try to remove the key when opening or closing the shutter. Return to the centre position to remove.

Using Rocker switch control

When using a Rocker switch press the switch in the direction you would like to use the shutter up or down. The rocker switch will return to the centre position when you remove your finger.

Emergency release (external motors only chain driven) (fig 3)

On external motors a RED coloured pull cord is fitted, if the electrical power fails and the shutter needs to be closed in a emergency then pulling the red cord releases the brake. The shutter will come down under controlled descent.

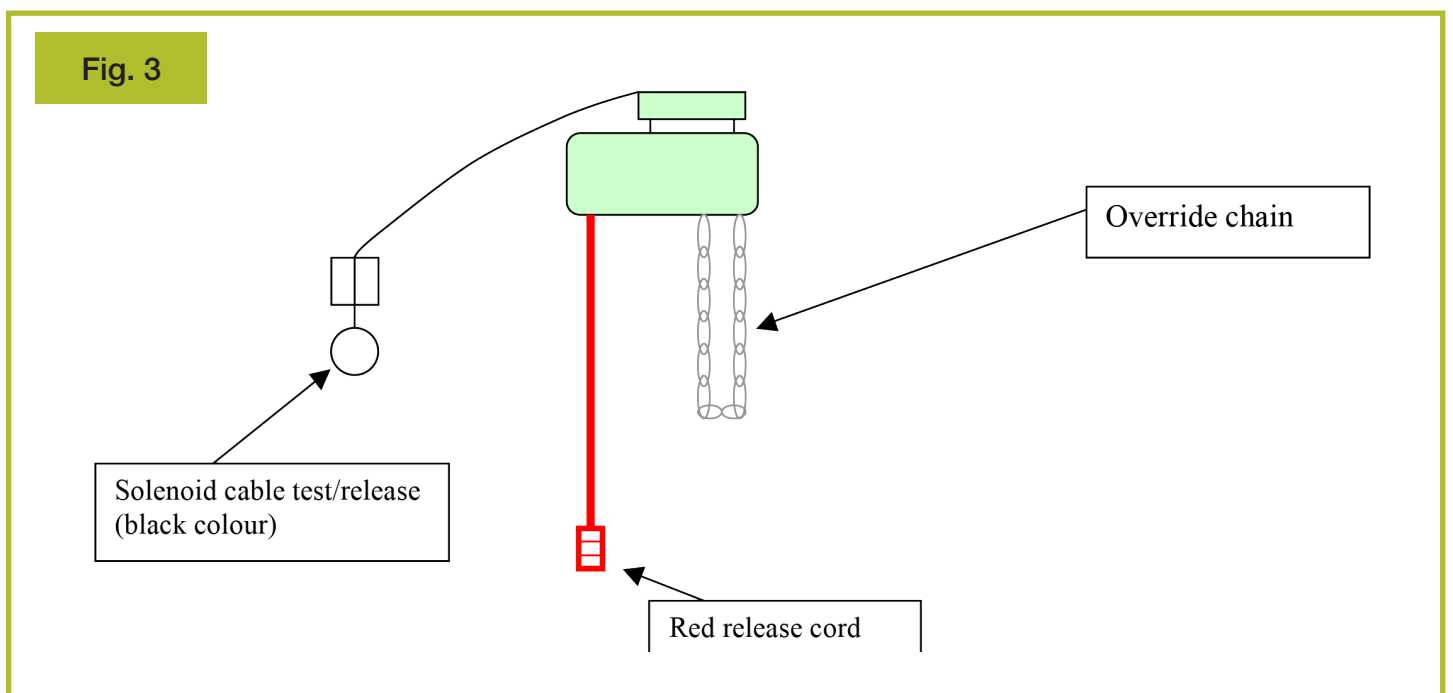
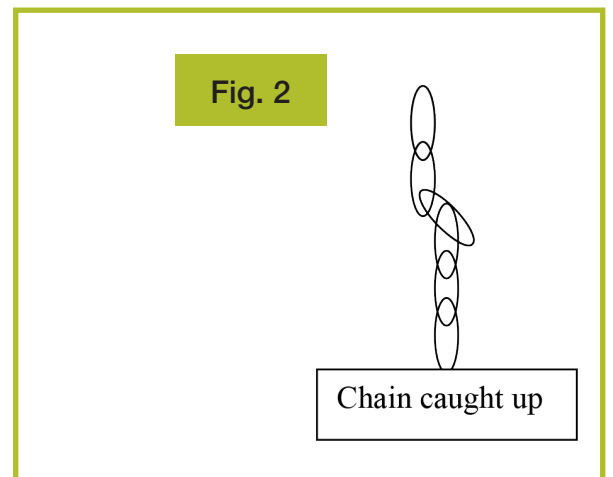
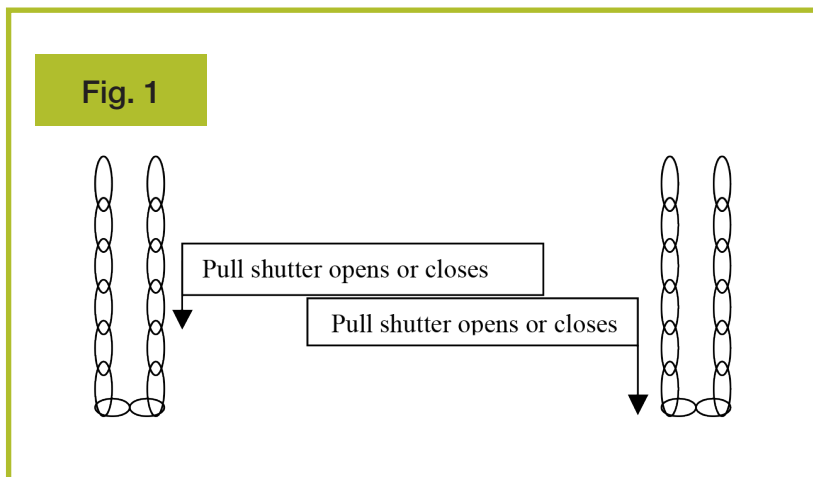
Chain override (external motors only chain driven)

The silver chain from the motor is the manual override. In the event of power lost, motor issue etc, please use the chain to close/open the shutter. The chain is a loop by pulling on one side of the chain this will turn the motor and in turn lift/lower the shutter. (pull on the other side of the chain will reverse the operation)

Do not allow the chain to get caught up (fig 2) this can happen if pulled too fast etc,
The chain override is for normal use if no power and fire conditions use red cord see above

Black cable from motor

The black cable from the motor is a testing cable and is for the solenoid unit that releases the shutter when the fire alarm goes off, this cable is used when installing the shutter and testing. It has the same effect as pulling the red cord. If the cable is pulled the shutter will close but you will need to reset the solenoid manually. **PLEASE DO NOT USE THIS CABLE IF EMERGENCY USE THE RED PULL CORD.**





If an audio/visual panel is fitted this will added options to the way the shutter will act once a fire alarm/signal is triggered.

The audio visual panel will activate once fire alarm is triggered the sign at the front will flash and the speaker will sound this will warn the people that the shutter(s) will close in a preset time, the display on the front will show a count down to closing. The delay closing time is present by the installer (see below the delay closing delay on your shutter(s))

The Panel can be programmed to reopen the shutter once the fire signal is turned off, this does depend on power and motor type. If this setting is not used the shutter can be reopened with the standard up and down switch installed

The panel can also be programmed for part closing the shutter then fully closing the shutter, i.e. Fire alarm is triggered – Audio visual panel activates delay closing time, shutter then part closes, another delay closing time is activated to fully close the shutter, this feature is good for shopping malls etc places where people/public need to evacuate.

Delay closing time: _____

Reopening by - standard switch / Audio visual panel

Part closing delay time (if set): _____

Full closing delay time after above time delay: _____

Customer name: _____

Customer address: _____

Door type: _____

Date: _____

If there is a fire, make sure you find a safe place and dial 999 in an emergency

Risk Assessment For Security shutters

Location:

Date:

Refs:

Order No.

Activity/Operation

Location/Area on site

**Hazards (These to include:-
Equipment, noise, substance
and manual handling)**

If the sole intended use of the shutter is in a conventional manner, under safe working practise and health and safety in the workplace, all upwards moving doors must be provided with an effective means of protecting them from falling back and causing injury. Therefore it would require a safety bearing (electric operation only) manual push up use a spring system

PLEASE NOTE: not all shutters require a safety bearing, e.g. Some windows where people would not walk/work underneath them.

Safety bearing fitted to installed shutter

Yes

No

Population exposed

**Staff
Maintenance engineers
Public**

Control measures

Ensure nothing is obstructing the shutter on the descent or ascent

- Ensure that the shutter can move freely within the channels (side runners)
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Added Notes