

# OPERATING & MAINTENANCE INSTRUCTIONS

## RSG 5700 FIRE-RATED SHUTTERS

# Flame Curtain

## General instructions

This fire curtain is designed to remain open in normal circumstances and only close when it receives a signal from a fire alarm, during a routine test of the fire safety equipment or in the event of a power failure and a failure of the integral battery back up.

As this product is classed as fire safety equipment, under The Regulatory Reform (Fire Safety) Order 2005, this product will require regular maintenance by a trained engineer.

## Operating instructions

This product is designed to close when it receives a signal from a fire alarm, during a routine test of the fire equipment or in the event of a power failure and a failure of the integral battery backup.

Please refer to the individual operating instructions supplied with the control unit for further information on operating your product.

## Maintenance

Careful use of your product(s) will avoid any additional maintenance or remedial work.

The guide rails, bottom rail and the box can be wiped with a damp cloth to remove any excessive dirt / grime to maintain the products appearance.

Make sure no objects are the left in the opening(s) or in the guide rails that would prevent the curtain(s) from closing. This could damage the product and more seriously would prevent the product from performing as an effective fire barrier.

**Regular maintenance should only be carried out by a trained engineer to ensure that the product(s) will perform when required.**

## **Checklist:**

### **Opening**

- Check for damage to the wall and ceiling around the opening. Any damage shall be noted and brought to the attention of the client.
- Check for the effects of corrosion on any part of the barrier.
- Check for any obstacles or penetrations that may hinder the correct operation of the barrier.

### **Barrier material**

- Check for damage to the barrier material.
- Check that the bottom bar is securely attached and not damaged.
- Check that the barrier material is properly secured to barrel.

### **Guides (where applicable)**

- Check for damage to guides.
- Check that guides are securely fixed to supporting construction.

### **Endplates, barrel and casing**

- Check for damage to endplates, barrel and casing.
- Check that endplates and casing are securely fixed to supporting construction.
- Check that bearings supporting barrel are properly secured to endplates.
- Check that casing is properly attached to endplates.

### **Drive mechanism**

- Check that the barrier opens and closes correctly under normal operation.
- Check that the barrier opens and closes correctly when operated by any auxiliary power sources.
- Check that the barrier opens correctly under gravity fail-safe conditions.
- Check the condition of any consumable power sources.
- Check for wear of motor.
- Check limits.
- Check that motor is securely fixed.

### **Release mechanism**

- Check that mechanism operates correctly by test releasing.

**Note:** Any lubrication shall be kept to a minimum. Only high temperature greases

and oils shall be used.

# Flame Shutter

## General instructions

This fire shutter is designed primarily as a fire barrier but will also provide a security barrier for everyday use.

The shutter can be opened and closed in normal circumstances but will close when it receives a signal from a fire alarm or a local sensor or during a routine test of the fire safety equipment.

As this product is classed as fire safety equipment, under The Regulatory Reform (Fire Safety) Order 2005, this product will require regular maintenance by a trained engineer.

## Operating instructions

This product can be closed or opened by a trained operator for everyday use as a security barrier, it will close when it receives a signal from a fire alarm or a local sensor or during a routine test of the fire equipment.

Please refer to any individual operating instructions which may have been supplied with the control unit for further information on operating your product.

## Maintenance

Careful use of your product(s) will avoid any additional maintenance or remedial work.

The guide rails, curtain and the box can be wiped with a damp cloth to remove any excessive dirt / grime to maintain the products appearance.

Make sure no objects are the left in the opening(s) or in the guide rails that would prevent the curtain(s) from closing. This could damage the product and more seriously would prevent the product from performing as an effective fire barrier.

**Regular maintenance should only be carried out by a trained engineer to ensure that the product(s) will perform when required.**

## **Checklist:**

### **Opening**

- Damage to the wall around the opening shall be noted and brought to the attention of the client.

### **Curtain**

- Check for damage to slats
- Check for lateral movement in slats
- Check that endlocks are properly secured to slats
- Check that the top slat is properly secured to barrel.
- Check condition of bottom rail.

### **Guides**

- Check for damage to guides.
- Check that guides are securely fixed to supporting construction.
- Check that there are no gaps between guide angles and supporting construction.

### **Endplates, barrel, casing and casing supports**

- Check for damage to endplates, barrel, casing, and casing supports.
- Check that endplates, casing, and casing supports are securely fixed to supporting construction.
- Check that casing is properly attached to endplates.

### **Drive mechanism**

- Check that the shutter opens and closes correctly under normal operation
- Check top and bottom motor limits
- Check that motor is securely fixed

**Note:** Any lubrication shall be kept to a minimum. Only high temperature greases and oils shall be used.

**1.7 MAINTENANCE/REPAIRS LOG**

Date:

company name:

Engineers Name:

Work Carried Out:

Sign:

Date:

company name:

Engineers Name:

Work Carried Out:

Sign:

Date:

company name:

Engineers Name:

Work Carried Out:

Sign:

Date:

company name:

Engineers Name:

Work Carried Out:

Sign: