

# Operation & maintenance Manual / Specification Sheet

## SG 77GD Insulated Aluminium shutters

### SLATS

<b>Description</b>	:	SG77GD is a foam filled extruded aluminium non-vented or vented slat.
<b>Common use</b>	:	Domestic applications.
<b>Dimensions</b>	:	Nominally 77mm high x 19mm thick.
<b>Weight</b>	:	8kg per square metre.
<b>Stock colours</b>	:	Various solid colours as well as foiled woodgrain available

### SHUTTERBOX

<b>Construction</b>	:	Roll formed aluminium in two sections; top and bottom boxes. : Bottom box removable for installation and maintenance and chamfered at 45°.
<b>Box ends</b>	:	The shutterbox is assembled on die cast aluminium endplates.
<b>Stock colours</b>	:	White, dark brown. Can be powder coated.

### GUIDE RAILS -

<b>Construction</b>	:	Extruded aluminium with an integral box section for reinforcement and to facilitate fixing. : High density 5mm pile brush seals for quiet and smooth operation.
<b>Dimensions</b>	:	90mm wide x 35mm deep.
<b>Stock Colours</b>	:	White, dark brown. Can be powder coated.

### INSTALLATION

<b>Guide Rails</b>	:	3 fixings for guide rails up to 1000mm in length, 5 fixings for guide rails up to 2000mm in length etc.
<b>Shutterbox</b>	:	The shutterbox is fixed at each end and 1000mm centres if over 2000mm
<b>Finishing</b>	:	External shutters require a silicone seal between the shutter and the wall along the top of the box and down the side of the guide rails.

## **SECURITY FEATURES**

Standard shutters lock automatically at the top when fully lowered. The bottom section of the shutterbox is riveted after installation. The fixing screw heads are rendered unusable and are concealed behind cover caps. Optional 30 x 20 angle can be fixed on to the cill.

## **OPERATIONS FOR SG77GD BUILT-ON SHUTTERS**

### **ELECTRIC**

<b>OPERATION</b>	:	By tubular motor inside the axle.
<b>MOTORS</b>	:	Draw 240 volts and 0.5 - 2.5 amps dependant upon the shutter size.
	:	Complete with integral limit switches and thermal cut-out to prevent overheating.
	:	Complete with 2 metres of cable for connection.
<b>CONTROL</b>	:	By multi channel remote control.

Provision of a 13 amp fused spur is required for installation. A manual override should be ordered separately for shutters which are to be installed on exit doorways to permit operation in the event of a power failure.

## **SERVICE & MAINTENANCE**

All service and maintenance work must be carried out by a competent person being a person suitably trained, qualified by knowledge and practical experience and provided with necessary instructions to enable the required repair or maintenance to be carried out correctly and safely.

At a minimum we would suggest the following areas are covered as part of any service plan, at least every 12months:

- 1. Visually inspect door for damage and obstructions
- 2. Operate door to ensure free running, check limits are set and operate correctly
- 3. Check, clean and lightly grease vertical guides (if needed)
- 4. Check and grease gearing mechanism (if needed)
- 5. Ensure end locks secure
- 6. Check operation and alignment of lock/shoot bolts (if fitted)
- 7. Operate door, check alignment and ensure correct balance
- 8. Inspect and adjust (if fitted) electric operator and ancillary controls
- 9. Check all fixings are secure
- 10. Check condition of weather seal and safety edge (if fitted)
- 11. Check hood/coil casing is secure