

# Electrically Operated Roller Shutter

Single phase tube motor operation suitable for shop fronts and light usage domestic garage doors.

## Roller Curtain

75mm deep galvanised cold rolled sections are interlocked together to form the door curtain. The laths are concave in shape and are held together by pressed steel / plastic end locks secured by steel rivets. The gauge of the lath is determined by the security needed.

## Bottom rail section

The bottom rail is normally a galvanised inverted T section. On larger applications a fabricated two piece bottom rail may be used. In special circumstances, a tapered bottom rail can be fabricated to suit sloping floors.

## Side guides and fixing support angles

Guide sections are manufactured from 3mm purpose rolled section, with different depths dependent upon the width of the shutter, and are secured to mild steel angles, pre-drilled ready for fixing to the structure.

## Roller Shutter Barrel

The mild steel tube encases the single phase tubular motor. The motor head is secured to the shutter end plate, with the outer body rotating to raise and lower the curtain.

## Electric Operation

Standard electrical operation is by single phase (240volt) motor, I.P.44 rated motor. The motor is complete with integral limit switches, to enable the shutter to stop automatically at final point of travel positions, and also incorporates a manual override facility for use in the event of a power failure.

## Location of electricity supply requirements

Client to provide, to each door prior to installation, a 13amp single phase supply, terminated to a fused spur, to within 500mm from the motor position at high level.

## Standard finish

All mild steel parts are supplied with 1 coat of rust inhibiting primer. Door curtains are supplied galvanised unless otherwise agreed.

## Optional extras

All available at extra cost

## Plastisol Finish

A range of approximately 30 different colours are available for the outside of the door curtain with the inside in a grey primer. The plastisol colours are designed to either match or contrast to the external building cladding sheets.

## Powder Coat Finish

Powder coat finish is available in standard RAL colours and is applied to the complete door curtain on both sides. Powder coat is a more durable and hard wearing finish and is ideally suited to roller shutters.

## Hoods and Fascias

Galvanised coil casing, fascias and motor covers are available at extra cost.

## Electrically Operated Roller Shutter –Cont

### Lockable box to enclose external key operated switch

A pressed steel locking box can be provided at extra cost to accept a security padlock (padlock provided by client). The locking box secures the external key operating switch, providing additional security.

### Battery Back up

A device used to provide an alternative source of power to allow a limited number of operations of the door, should the main power supply from the consumer unit fail.

### Radio Control

A remote control unit and key fobs are used to open and close the curtain, to remove the need to install an external key operated switch, mainly used in areas of high vandalism.

### Open Mesh Grille Section

A section of aluminium grille section can be inserted across the full width of the door / opening to provide a vision panel, to enable a clear viewing line through the door / opening.

### Perforated Curtain

A robust solid concave section, with perforations, which provides an aesthetically pleasing finish, to allow transparency through the shutter curtain, more effective at night with back lighting.