TECHNICAL DATA

SHEET

7B

MIRAGE

ASSA ABLOY

CENTRAL MOTORISATION UNIT NOTES

Mirage is not responsible for incorrect preparation of openings to suit its products, nor is Mirage responsible for non-compliance to the recommendations enclosed. The installer is responsible for the correct installation and operation of the Mirage product. If in doubt seek clarification from Mirage or request a copy of the C.M.U. installation instructions. Mirage recommends that manual locks are not used on motorized doors. Damage may be caused to the door or the drive unit if activated whilst the door is locked.

NOTES FOR GENERAL USE

MOTOR – Mirage will supply as a standard a single phase, 0.5 horsepower, geared reduction motor centrally mounted within the counter balanced roller. There needs to be a 240 volt, 10 Amp, 3 pin power point within 1 metre of the drum end. Motorised shutters are heavier and may require additional support. This cannot be determined without a site inspection and could result in additional costs and the need for steel support posts (optional extra). The system is for low duty cycle operation only. This is a low cycle motor and should only be run for three minutes every 20 minutes. If this is exceeded, the thermal overload may activate, and a cool down period of 15-30 minutes will be necessary.

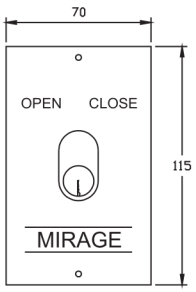

DIAGRAM 1

The system is operated by means of a spring return keyswitch or toggle switch mounted inside, outside, or both if required. Auto reverse is not available, as the door should travel the full distance, up or down, prior to being reversed.

KEYSWITCH – (Refer diagram 1) Deadman Lockwood Style Omega Keyswitch, mounted on an engraved stainless steel plate, incorporating a “builders” key suitable for the client to change over to his own master keying requirements. The switch is supplied with a multipurpose mounting plate and fixing screws. Mounting and wiring of the switch is to be done by others.

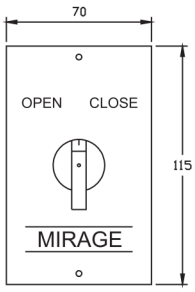

DIAGRAM 2

TOGGLE SWITCH – (Refer diagram 2) Deadman Toggle Switch open/close switch mounted on an engraved stainless steel plate. The switch is supplied with a multipurpose mounting plate and fixing screws. Mounting and wiring of the switch is to be done by others.

INSTALLATION – There has to be good access (i.e. straight lift up into position) and good fixing. Removable access panels required for the full length of drum. If not made available access panels at 600mm x 400mm, with one at each end to access the support brackets and one 600mm x 500mm access panel in the centre for access to the motor and limits is the minimum requirement. Steel posts at 75mm X 75mm RHS are recommended as an optional extra. The door and curtain are going to be much heavier than a normal installation, the drum and motor will be similar in weight to that of a steel roller shutter drum.

The slot in the bulkhead soffit needs to be a minimum of 76mm to enable the bottom rail to pass through the bulkhead/soffit with clearance.

When the shutter is closed, the springs and motor are exposed, so if fitted onto the face of a building or below the ceiling in an office, a full drum cover with a bottom return would be required for security, weather protection and aesthetics. (Cover supplied by others.)

The manual release cable should not be bent excessively, as its performance is degraded with bending. The manual release handle must be mounted so that it is accessible if a power failure is experienced. The cable location and accessibility is the responsibility of the shopfitter or shop owner. If this motor is connected to any other system (i.e. not using the spring return keyswitch or toggle switch supplied by Mirage Industries), an Auto Delay System must be implemented.

BATTERY BACK UP – Mirage can provide a battery backup system as an optional extra, which allows limited operation of the door in case of a power failure. Please contact Mirage for more information.

Mirage Doors has a continuous program of product development and reserves the right to change specifications at any time without notice.

PLEASE NOTE

1. IF INADEQUATE ACCESS IS PROVIDED MIRAGE WILL NOT BE HELD RESPONSIBLE FOR MAINTENANCE NOR THE COSTS INCURRED TO CREATE ADEQUATE ACCESS
2. MIRAGE C.M.U SHUTTERS MUST BE INSTALLED TO STRUCTURAL SUPPORTS i.e. RHS STEEL POSTS, CORE FILLED MASONRY, TILT UP CONCRETE PANELS
3. ALL STRUCTURAL SUPPORTS FOR BRACKETS AND SIDE GUIDES TO BE PROVIDED BY OTHERS
4. ALL WIRING AND SETTING OF LIMITS BY OTHERS

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