TECHNICAL DATA
SHEET
15B

MIRAGE
ASSA ABLOY

TUBULAR 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 correct installation and operation of the Mirage product. If in doubt seek clarification from Mirage or request a copy of the Tubular Motor installation instructions. Mirage recommends that 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 Industries will supply as standard a single phase, 50Nm Tubular Motor mounted either end within the drum. There needs to be a 240 volt, 10 Amp, 3 pin power point within 1 metre of the motorised end of the drum. Motorised shutters are heavier and may require additional support. (Refer to Tech Sheet 15C and 15D). 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 prior to the thermal overload resetting itself.

The system is operated by means of a spring return keyswitch or spring return 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.

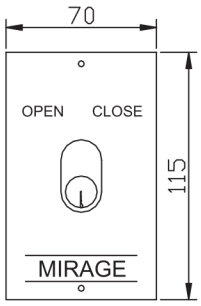

DIAGRAM 1

KEYSWITCH – (Refer diagram 1) Spring Return 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 multipurpose mounting plate and fixing screws. Mounting and wiring of the switch is to be done by others.

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

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.

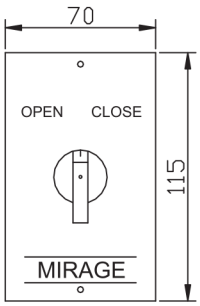

DIAGRAM 2

INSTALLATION – There has to be good access (i.e. straight lift up into position) and good fixing. Removable access panels are recommended for the full length of the drum. If not made available access panels at 600mm x 400mm, with one at each end to access the support brackets, motor and limits, is the essential minimum requirement. As the door and curtain are going to be heavier than a normal installation, timber studs are recommended as per the details in Tech Sheets 15C and 15D.

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 door is fitted onto the face of a building or below the ceiling in an office, a full drum cover with a bottom return is recommended for security, weather protection and aesthetics. (Cover supplied by others.)

BATTERY BACK UP – Mirage Industries 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 Industries for more information. A manual release mechanism is not available with this product.

SECURITY – Manual locks are not recommended as the door or the motor may be damaged as a result of the locks being engaged when the door is operated. However with this product you may be able to lift the door slightly.

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 TUBULAR MOTORIZED SHUTTERS MUST BE INSTALLED TO STRUCTURAL SUPPORTS i.e. TIMBER STUDS, 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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