

## DESIGN REQUIREMENTS

### Electric Louvres

1. Louvres must have A13 handles for remote gearing operation.
2. Please install louvres back to back at a mullion, as we have allowed for one motor to operate two banks of louvres.
3. Window gearing components (excluding electric motors) will be powdercoated to match window joinery, standard colours only allowed for; any special colours may incur an extra value. Electric motors will be as per manufacturers assembly finish – natural anodised body with black plastic fittings.
4. Electric linear actuators must be mounted on solid walls. Hessian or pin board type products are not acceptable.
5. Electric linear actuator motors can be wired in parallel. They are **230 volt** and can be wired direct from the air conditioning system.

### REGISTERED SITE ELECTRICIAN TO PROVIDE:

1. All switches, unless ordered from us (\$67 each). We recommend that switches have a neutral position so power does not go permanently to the electrical linear actuators.
2. All electric power cables.
3. Electric power (230 volt) to the switches and the electric linear actuator, with 4 core cable between the switch and the linear actuator (open, close, neutral and earth) with a permanent connection unit, or similar, positioned as close as practical to the linear actuator with a 4 way strip connector for final connection.  
The electric linear actuators must **NOT** be hard wired, in case the motors ever need servicing or replacing. Hard wiring could void the warranty.
4. All final connections to the motors. We install the motors, test them & leave the cable hanging for final connection by the electrician.
5. Cabling to be concealed as much as possible.
6. Electrical Connection  
Cable 1 Blue Neutral  
Cable 3 Brown Opening  
Actuator with 230 volt AC +/- 5%  
Cable 2 Black Closing  
Cable 4 Yellow/Green Earth

NB The opening & closing relates to the spindle on the motor- not the sash



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