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## *Stannah Lifts Technical Bulletin*

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***LIFT TYPE: - Stannah Machine Room-less Hydraulic Passenger Lifts***  
(Designated MRLi-A and MRLi-R)

### **Introduction**

Stannah Lifts Ltd are introducing two new variations of hydraulic machine room-less passenger lifts for installations beginning from December 2006.

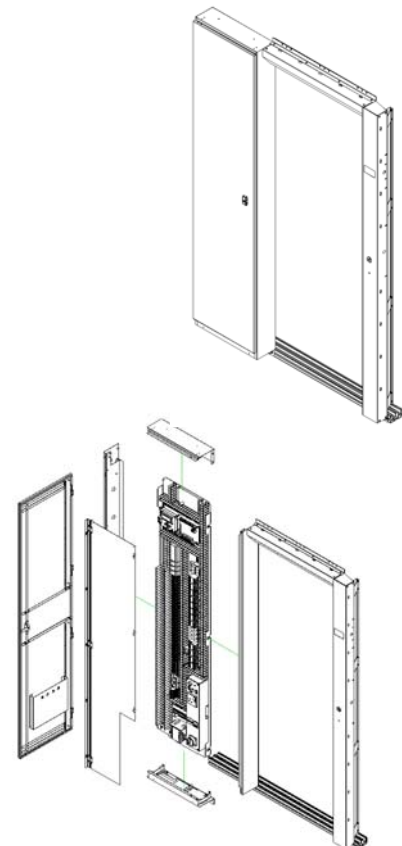
To date, the MRLi models have only been available with both the electrical controller and the hydraulic power pack located in the pit. The two new variations now give the option of mounting the electrical controller either within a landing architrave or remotely in the building.

### **Description**

#### ***Landing Controller (MRLi-A) – See Figure 1***

This design consists of a cabinet surround which replaces the bunch-side landing entrance upright on a 2-panel side-opening entrance (or either upright on a 2-panel centre-opening entrance). It is fixed to the landing header and the bottom track and it can be located at any entrance. The control panel is then fitted within the aperture and secured to the sides. The cabinet has a full height door with 3 point locking, which hinges on the side farthest from the entrance opening.

Note: A temporary mains power supply box can be made available on installations when the landing architrave cannot be utilised to initially move the car floor as working platform during installation.

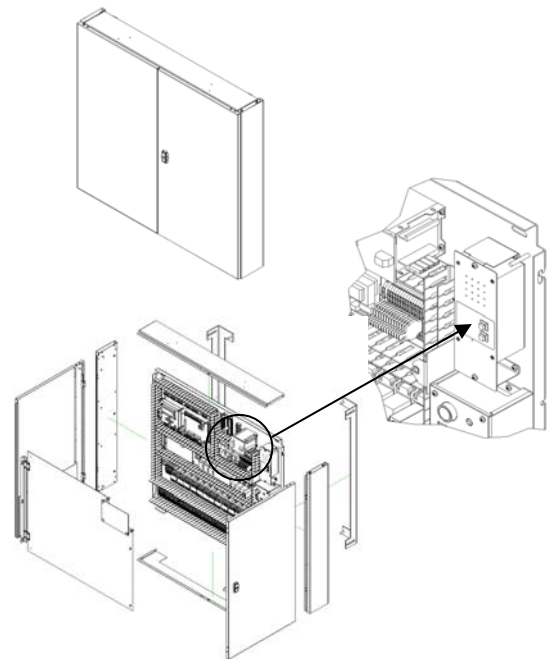


**Figure 1**  
**2-Panel Side Opening Arrangement Shown.**

### **Remote Controller (MRLi-R) – See Figure 2**

This design consists of a more conventional control panel to which the cabinet surround and doors are assembled. It can either be fitted into a recess provided or surface mounted in a remote location up to 8 metres from the lift well.

In the event that its remote location is likely to hinder communication of personnel between the controller and the lift well, an additional speaker will be provided in the cabinet (as per the current MRC and machine room lifts).



**Figure 2**  
Additional speaker enlarged.

### **General**

- These two options will still require the remote hydraulic hand pump at the lowest landing.
- Both options include a mains intake panel. Equipment still required in the pit includes an ELU and battery housing and a pit box containing a shaft light switch, a pit stop switch and additional terminals to run the pump.
- There should no longer be a need to run the lift in the pit. Therefore other equipment no longer required in the pit includes the manual safety gear tripping device, the upper and lower shaft test switches, pit test control station, and dedicated landing test control station.
- Safety gear on direct acting lifts will no longer be required.

Note: A pit prop should still be used to access the pit for these two options.

### **Reference Information**

- Drg 2000548 revision A - MRLi Data Sheet - Equipment Layout in Pit.
- Drg 2000945 - Remote Cabinet Arrangement - Recessed.
- Drg 2000948 - Remote Cabinet Arrangement - Surface Mounted.
- Drg 2000874 – Landing Entrance Control Cabinet - MRLi.

If you require any further information regarding this bulletin please contact the mechanical design office at Stannah Lifts, Andover. Tel. 01264 339090