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STAIR-LIFT ICS SIX CONTROL SYSTEM

Designated ICS-Six, the latest version of Garaventa Stair-Lift electronics has undergone some important changes and improvements:

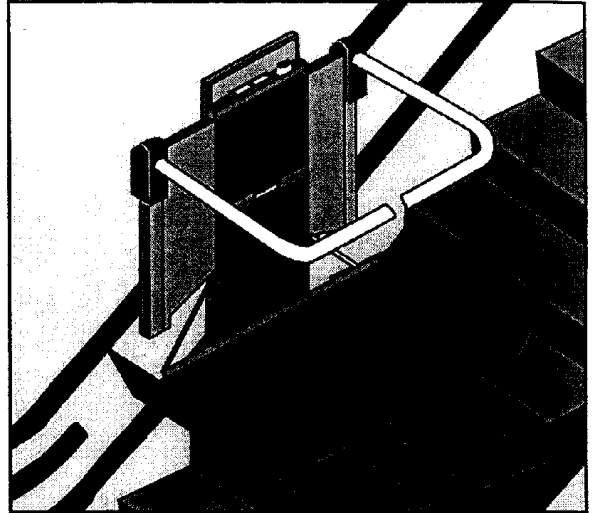
- The safety circuit on the new control system now consists of only **two** main components. Should a safety switch violation occur, both circuits are designed to operate together and have the same effect.

Located in the drive and on the conveyance, each circuit is self-monitoring and has redundant circuits. Should a safety contactor be welded closed, the safety circuit will not engage, preventing the lift from operating.

The final limits on the drive system, along with the platform sensing and ramp centering switches on the conveyance, have been combined to form a safety net. This simplifies the safety circuits, resulting in reduced trouble-shooting time.

- All ICS-Six PC Boards are protected by fuses and current limiters. Using the latest technology in semi-conductors, all current drawn by motors and other devices is monitored.

When an over-current condition is reached, power is removed, preventing damage to the boards. By removing the obstruction or faulty component, and re-starting the function, power is returned to the system. This will greatly decrease the



number of board failures due to over-current conditions.

- In response to customer requests for more simplified controls, the ramp fold switches have been removed from the conveyance. Ramps now lower automatically when the Stair-Lift reaches the landings and the direction (paddle) switch is released. By depressing the paddle again, the loading ramp is automatically raised before the lift starts to travel. This reduces call backs resulting from operator error. In addition, customer satisfaction is increased with the reduced number of steps required to operate the equipment.

In the coming weeks, updated trouble shooting handbooks and parts manuals will be available to assist you with lift repair and maintenance.

We welcome your feedback on these and other Garaventa innovations. With your help, we are working to provide safer, more user-friendly products.

Your comments and questions are welcome.

Please fax them to the Garaventa Customer Service Department at (604) 594-9915
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