Schindler Modernization
Integrated Solutions for Control Systems for Escalators and Moving Walks

Welcome to the Schindler Group
The Schindler Group is the largest supplier of escalators and the second largest manufacturer of elevators worldwide. Schindler designs, installs, services and modernizes transportation systems for almost every building type worldwide. Globally, Schindler equipment moves more than 900 million people per day.
Schindler’s Control Systems
Cutting Costs and Helping the Environment at the Same Time

**Situation**
Schindler escalators and moving walks have been proving themselves at home and abroad for decades. Why? Because Schindler’s business activities are based on reliable technologies, high-quality materials and an excellently trained service team — worldwide.

But even the best units eventually grow old, and economical solutions must be found to modify such escalators and moving walks to meet today’s higher performance standards. Potential improvements are readily apparent, especially in the control technology used in older units. Engineering know-how and advances in drive technology now allow your unit to operate more economically and in a more environmentally friendly manner.

Control systems from Schindler are now available to upgrade your escalators and moving walks.

**Problem**
The controller is the heart of every escalator and moving walk. The controller acts like a command center and monitors and controls all vital system functions. Very often escalators and moving walks still use “old” controllers — controllers that no longer meet modern standards for economical system operation and no longer satisfies today’s safety standards according to EN 115.

– Limited functionality: Often the unit is running for relatively long periods of time without being used at all. Unnecessarily high energy costs are the consequence.

– Limited safety management: Transparent centralized safety management is not possible when relay-type controllers are used. The monitoring of safety switches and rapid detection of faults are only possible to a limited extent.
Advantages
Cutting costs without sacrificing performance – the MICONIC F microprocessor controller significantly improves unit performance, from the standpoint of both economical operation and safety technology:

– Automatic operation reduces the operating time of the escalator or moving walk, cutting energy costs by up to 30%.
– The Schindler-designed ECO energy saving circuit increases system efficiency.
– Electronic error diagnosis with status messages, safety-circuit and operating-state diagnostics etc.
– Two independent safety systems guarantee maximum operating safety in accordance with EN 115 through:
   - motion monitor,
   - step/pallet gap lighting,
   - direction indicators and
   - monitoring of the speed, direction of travel, braking distance, synchronized operation of handrails, etc.
– Additional advantage of the optional GFU frequency converter: soft start and crawling. This results in lower wear than with conventional stop-&-go operation.

Internal Remarks
Recommended for all Schindler escalators and moving walks equipped with MICONIC F 3 or older control systems.
For further information including location of the Schindler office nearest you, please visit:

www.schindler.com