



# Escalator Variable Speed Drive



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## The Smart Solution.

Most retail and transportation environments experience peak and off peak passenger flow. Installing a Variable Speed Drive to your escalator or moving walkway will reduce energy consumption and increase the asset life cycle by slowing the unit to idle mode when no passengers are detected.

### Energy Consumption

Reducing energy consumption has become a priority in Australia. Many new methods of reducing energy are now being implemented including new technology for escalators and moving walkways.

Operating your escalator or moving walkways with a variable speed drive will contribute to the energy saving campaign and will reduce your running costs.

### How it works

The operation of the escalator is monitored by infra-red sensors which are located in columns near the boarding areas of the upper and lower platforms.

The direction range is automatically controlled and the invisible light barrier in the skirting detects the presence of passengers. If there are no passengers the escalator will automatically stop and then will only start again when the next passengers present themselves to the boarding area.

### Benefits

The majority of escalators operate according to the principle of manual operation (either switched on or switched off). Regardless of their usage frequency this operation incurs unnecessary cost.

However, automatic operation can significantly improve usage efficiency by reducing the operating time of the escalator which in turn reduces the idle energy and thereby reduces cost. Another significant benefit is the longevity of the equipment due to less wear on all components.

