



Tips for Energy Saving

Service-on-demand (SOD) escalator

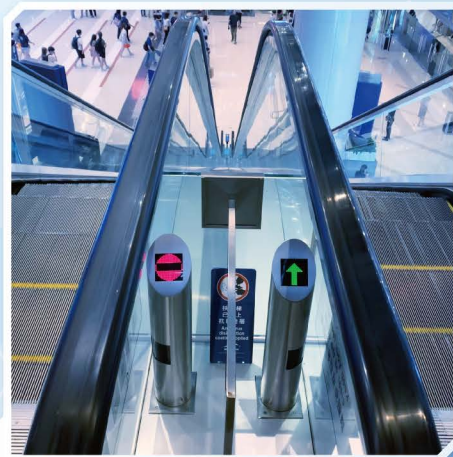
The operation of the SOD escalator is determined by the presence or absence of passengers. There are basically two types:

1. Automatic start / stop control **Energy saving up to 52%**

The escalator will stop when no further passenger is detected for a period of time. When an approaching passenger is detected, the escalator will start running automatically. Therefore, it has better energy efficiency.

2. Automatic two-speed control (crawl mode) **Energy saving up to 14%**

The escalator runs at **rated speeds**. When it detects no passenger for a period of time, the escalator will run at a lower speed consuming less energy. This type of escalator also reduces the risk of passenger injury by ensuring that passengers know which direction the escalator is running.



Escalator Modernisation

Safe and Save in Future

Scan the QR code for more details



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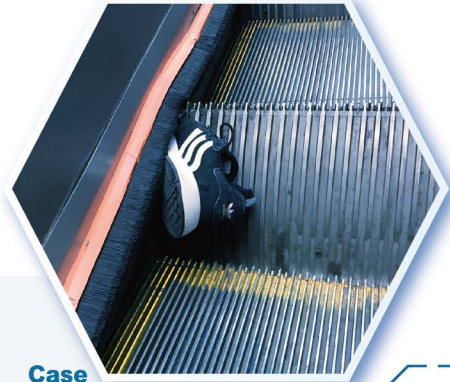
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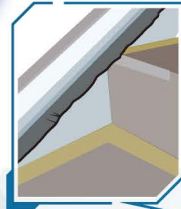


Eight Solutions for Enhancement of Existing Escalators



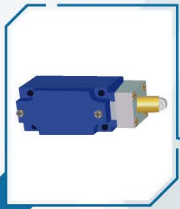
Case

Through the devices of solution 1 and 2, passengers can be prevented from being pushed between skirting and steps due to their feet being too close to the skirting.



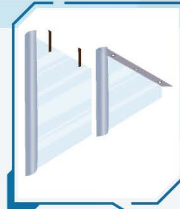
Solution 2 Skirt Panel Deflector Devices

To reduce the risk of trapping between skirting and steps



Solution 1 Skirt Panel Safety Devices

To prevent serious injury due to trapping between skirting and steps



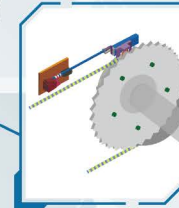
Solution 3 Obstruction Guards

To reduce the risk of trapping passenger's head or upper limb at floor intersections and criss-cross area



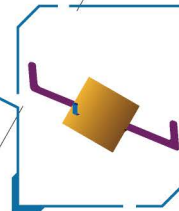
Solution 5 Landing Floor Plate Safety Devices

To reduce the risk of injury if passenger falls into the machinery space under the landing floor plate due to the dislocation of the plate



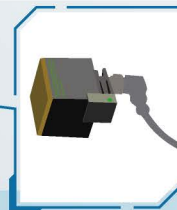
Solution 6 Auxiliary Brake

To prevent passenger from losing balance due to sudden acceleration or reversal movement of the escalator



Solution 7 Step Sagging Safety Devices

To reduce the risk of trapping due to step sagging



Solution 8 Missing Step Safety Devices

To prevent missing step which could be a serious trapping hazard to passengers



Case

The auxiliary brake of solution 6 can be installed to stop the suddenly reversed step to prevent accidents.