SAFETY TIPS FOR ESCALATOR & TRAVELATOR

Safety Precautions should be taken around the Escalators / Travelators.

- Wedge guards shall be provided under the floor ceiling at the point crossing with the escalators / travelators (including the soffit panel of the adjacent escalators / travelators) to prevent anymore or anything from catching in the wedges.

- If there is an opening between the escalators / travelators and the building floor, a partition plate or a guard shall be placed to prevent a fall.

- If there is a chance of 200mm or over between the escalators / travelators or between the escalators / travelators and the floor opening in the building, a safety net shall be provided.

- Warning signage board/notice boards or public announcement equipment shall be provided in order to prohibit children from playing around the escalators.

- Preventive maintenance and inspection are indispensable in keeping the escalators / travelators in safe and good working condition.

Standard Safety Features

Motor Overload Production

*In case of motor overload or overheat, the power supply to the motor will be disconnected.*

Phase Failure Protection

*The power supply to the driving machine will be disconnected in the event of phase failure or phase reversal.*

Non-Reversal Safety Devices

*The device will stop the escalator if it operates reversely from the pre-set direction.*

Emergency Stop Button

*The escalator will be immediately stopped when the button is pressed during emergencies.*
Electromagnetic Braking Device

To stop the motor smoothly by a spring force action if the power fails or any safety device is activated.

Drive Chain Safety Device

Stops the escalator in the event of the undue elongation or broken of the drive-chain.

Step Sagging Safety Device

It will be activated to stop the escalator if the step or step roller sags more than 3mm.

Skirt Guard Safety Device

It will stop the escalator if foreign object is caught between the skirt guard and steps.

Broken Step Chain Safety Device

Stops the escalator if the step chain stretches excessively or breaks.

Comb Plate Safety Device

If the foreign object is caught between the comb plates, this device will be activated and switch off the escalators / travelators.

Step/Pallet Chain Safety Device

When actuated, the monitoring contacts will stop the escalators.

Handrail Entry Safety Device

If there is an object becoming wedged in the handrail entry points, a contact will be actuated and switch off the escalator.

Demarcation Line

Prevent passengers from stepping on the edges between adjacent steps and between the step and skirt guard.
Optional Safety Features

Auxiliary Brake

*It will be actuated when the drive chain is broken or over speed.*

Handrail Speed Monitor

*When one or both handrails are broken or run under speed, the safety will be executed.*

Missing Step / Pallet Device

*Stops the escalator before missing portion entering comb plate in case of step missing.*

Step Up thrust Contact

*Stops the escalator in case of step up thrust.*

Skirting Brush

*To cover the gap between step and skirt panel in order to avoid possible risk caused by the gap.*

Under-step Lighting

*The individual steps/pallets are clearly discernible and distinguishable.*

Step Obstruction Device

*Stops the escalator if the step is obstructed anywhere along its path of descent.*

Comb Lighting

*Highlights the start and finish of the moving steps/pallet.*

Automatic Announcement System

*Gives announcement or warning to passengers automatically.*