

» New Products

Standard model escalator GS-NX Series

Further enhanced safety, energy conservation and design sense

April of last year marked the sales launch of Fujitec's GS-NX Series standard escalator product range. In addition to the numerous products that Fujitec has been supplying throughout Japan and centered on commercial and public facilities, recent research and development efforts have given birth to a variety of devices that further enhance safety, energy conservation and design sense.

One of them is the Foot Safety Sensor (optional spec with charge), which is designed to prevent items such as shoes or clothing from getting caught in the gap between the escalator step and skirt guard. A sensor installed in the skirt guard identifies users' foot position and alerts users through voice and light signals.

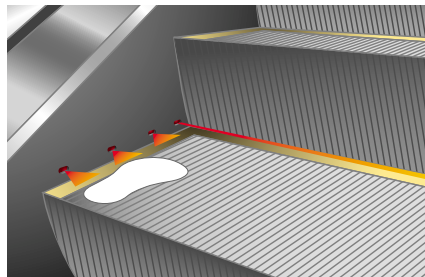
Moreover, Fujitec is the first in the industry to employ LED skirt guard lighting (optional spec with charge). Compared with conventional fluorescent lights, LEDs have a longer life, use less energy, and operate at significantly lower running cost. The device illuminates users' footing area and offers a stylish design.

Also newly launched is the Energy Conservation Operation Device (optional spec with charge). With this, both landings of the escalator are fitted with reflective beam sensors so that after a certain set time when no users are present, the escalator reduces its speed and moves at a stand-by velocity resulting in lower energy consumption.

The use of reflective beam sensors further extends the range within which sensors can detect users and full control over the timing of an escalator's acceleration is also ensured. Enabling smooth boarding by users is just one of the safety improvements offered by these sensors.

GS-NX

SERIES



Foot Safety Sensor



Reflective Beam Sensor



» New Products

Elevator Earthquake Safety Functions for super-high rise buildings up to 300 meters high

Regarding technologies for ensuring elevator earthquake safety in super-high rise office and condominium buildings, Fujitec has developed the Long-period Seismic Motion Operation Mode and the Automatic Diagnosis and Provisional Operation Restoration Service. Fujitec started offering them to customers this October.

Long-period seismic ground motion, unlike usual short-period seismic motion, shakes buildings slowly over periods from several seconds to several tens of seconds long and can travel many hundreds of kilometers.

In elevator systems with the Long-period Seismic Motion Operation Mode, in addition to the seismic sensors employed in conventional earthquake controlled operation systems, long-period seismic motion sensors are fitted, and through predicting the level of elevator cable swings, rescue operation mode can be engaged as appropriate.

In this mode the elevator will stop at the next floor to prevent triggering of an emergency stop and ensure the safety of passengers by preventing them from being trapped inside.

Additionally, the application of remote inspection technology enables automatic earthquake damage diagnostics of elevators. If the diagnosis result reveals no problem, through the Automatic Diagnosis and Provisional Operation Restoration Service, the elevator operation provisionally

restores automatically without waiting for the arrival of maintenance staff. Until now, this service was only available for elevators in buildings up to 120 meters in height.

With its Long-period Seismic Motion Operation Mode also achieving an industry first by widening support to super-high structures of up to 300 meters, Fujitec has strengthened the earthquake safety features it offers to the next level.

