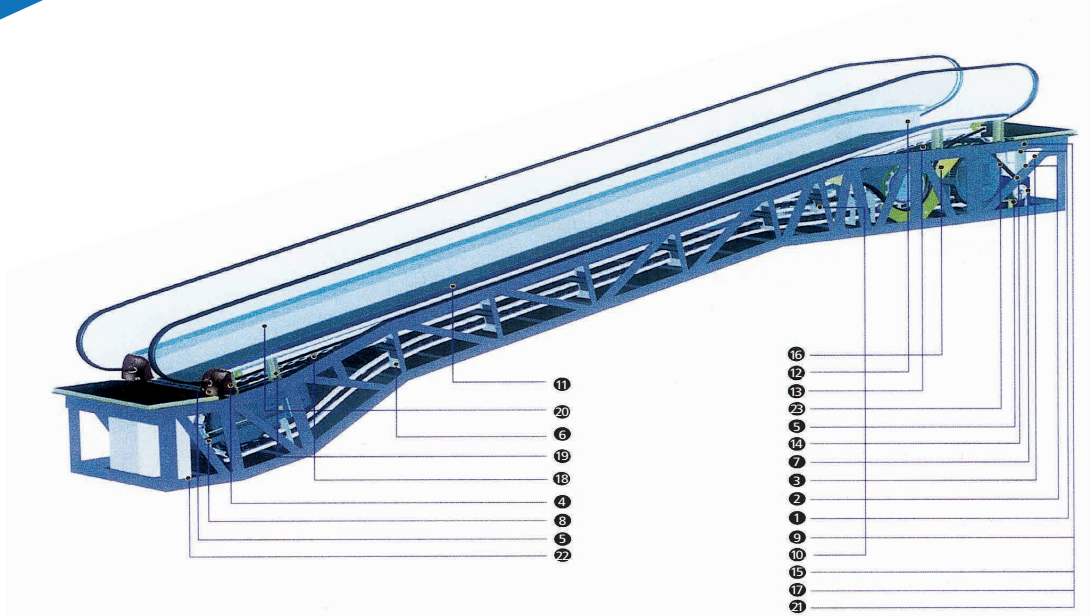


1. Lack of phase, error phase protection:  
 If lack of phase or error phase has been checked out, the escalator (auto-walk) will automatically stop the operation.
2. Motor over-load protection  
 When the current exceeds 15% of the current rating, the escalator will automatically stop the operation.
3. Electrical appliance loop protection:  
 It offers the automatic circuit disconnecting device to protect the circuit and mains components of the escalator (auto-walk).
4. Handrail inlet protection:  
 When some foreign substance has been clipped in the handrail inlet, the escalator (auto-walk) will automatically stop the operation.
5. Comb plate safety device:  
 When some foreign substance has been clipped in or between the combs, the escalator (auto-walk) will automatically stop the operation.
6. Step sagging protection device:  
 When there is abnormal step bending, the escalator (auto-walk) will automatically stop the operation before the step entering into the comb plate.
7. Broke drive-chain safety device:  
 When the drive-chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.
8. Broken step chain protection:  
 When the step (plate) chain has been over- stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.
9. Over-speed protection:  
 When there is over-speed to the escalator (auto-walk), it will automatically stop the operation.
10. Direction reversal protection:  
 When it comes the unintentional reversal of the travel, the escalator (auto-walk) will automatically stop the operation.
11. Security line:  
 The yellow synthetic resin security line is located in the front position and two sides of the escalator tread so that the passengers will not tread in-between the edge of the adjacent step and the lift group lengthened skirt panel. The security line on both sides of the step is higher than the tread surface. (The auto-walk offers the selective yellow spray-painted).



12. Emergency stop button:  
When the button has been pressed down, the escalator (auto-walk) will stop the operation.
13. Skirt panel protection:  
When some foreign substance has been clipped in between the skirt panel and the step, the escalator (auto-walk) will automatically stop the operation.
14. Brake protection:  
When the electric force falls short of supply or it acts any of the safety device, the brake function goes into effect by the device through the spring resilience action.
15. Safety inspection switch:  
It is a safety device to prevent from the escalator starting during the inspection and maintenance.
16. Step illumination:  
Illumination exists in the upper and lower ends of the escalator, in the lower part of the step in order to remind the passenger of the security matters.
17. Alarm bell starting device:  
The alarm bell rings when it starts the escalator in order to remind the passengers of the security matters.
18. Control device for handrail breakage:  
When the handrail is broken, the escalator will automatically stop the operation.

### Optional Safety Device

19. Handrail speed monitor:  
When the handrail speed versus step is slower than certain percentage, the escalator (auto-walk) will stop the operation.
20. Skirt panel brush:  
It is a selective safety device. The brush that has been installed between the skirt panel and the step will prevent the passengers from touching the skirt panel.
21. Fire-proof rolling door device:  
When device comes into action, it can stop the escalator (auto-walk) operation. It has been installed near the escalator (auto-walk).
22. Lower machine room drain:  
When it exceeds the standard to water intake in the lower machine room, it will operate the automatic drain system. (Outdoor type).
23. Auxiliary brake:  
It prevents from the escalator slide and ensures the human security in case of the drive chain breakage or the out-of-order of the brake. (It should be allocated with the emergency brake when  $6m < H$ .)