



Escalator Trainer

Category: Home & Building Automation · Model reference: MZM-1007



SPECIFICATIONS

DESCRIPTION

An escalator is a type of vertical transportation in the form of a moving staircase which carries people between floors of a building. It consists of a motor-driven chain of individually linked steps on a track which cycle on a pair of tracks which keep them horizontal.

Escalators are used around the world in places where lifts would be impractical. Principal areas of usage include department stores, shopping malls, airports, transit systems (railway/railroad stations), convention centers, hotels, arenas, stadiums and public buildings.

FEATURE

- Programmable Logic Controller System
- Ladder diagram format
- I/O listing with description
- All system parameters can be commanded by using 4 buttons and a 7-segment display placed on the panel as reference
- ? Can be used with simple push button command all levels (up & down)
- ? Running at variable speed lifts with inverter control. System can be programmed from the software
- ? Floor detection is carried out by PLC system
- ? Input Voltage : 240 VAC (Single Phase)
- ? Drive: Ball Screw for drive movement cabin up and down
- ? Speed Lifting 20-40mm/sec
- ? PLC will be used as the real life controller for the elevator operation and safety checks.
- ? Emergency Stop button
- ? Selector switch auto/manual for select PLC mode - Manual control switch for all motion (up down) floor door upon floor level status basis
- ? Safety devices indicated by using LED
- ? Control panel with safety simulation switches
- ? Transparent Polycarbonate outer casing to visualize the entire movement and operation of the elevator system.
- ? Comes with 4 castors for easy movement
- ? Anti-slip safety feature for cabin

Motor Drive:

- ? 6W Induction Motor, with gear box
- ? Traction machine speed ratio 30:1
- ? Rotation Speed 1400rpm
- ? 220V Single Phase for Up/Down cabin movement.
- ? Speed Controller to control Up/Down Induction Motor

COURSEWARE & ACCESSORIES

- ? Laboratory Manual
- ? Instructor's Guide

Warranty

12 months warranty against manufacturing defects



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