

Lift & Escalator Industry Association

Advanced Lift Technology - Electrical (Unit 17)



Course Content

A.C. LIFT MOTORS

- Construction of A.C. Lift Motors
- Dynamic Braking
- Use of Flywheel to Control Acceleration
- Alternative Types of A.C. Motor
- Faults in A.C. Lift Motors

BRAKING

- Speed, Load and Braking Accuracy
- Dynamic Braking

THE D.C. LIFT MOTOR

- Construction of d.c. Lift Motors
- DC Motor Operation

Gearless Lift Machines

- Speed Control of Gearless d.c. Machines
- The Brake

THE WARD LEONARD SYSTEM OF VARIABLE VOLTAGE CONTROL

Field Regulators

- Open-loop and Closed-loop Systems
- Basic Function of a Field Regulator

TRAVELLING CABLES AND WIRING

- Types of Travelling Cable and their Construction
- Suspension of the Travelling Cable

LANDING APPROACH SIGNALS, ENTRANCES AND RELATED EQUIPMENT

- Locking of Landing Doors
- Automatic Power Operated Doors

LIFT CONTROL COMPONENTS