

AD450 Full Serial Close Loop Integrated Solution

Feature :

- AD450 is the Ideal Integrated solution for elevator.
- Compatible both ACIM (Geared) and PMSM (Gearless) Machines.
- High Safety with Great Riding comfort.
- Displacement calculation methods derive the N velocity profile to achieve optimum direct-to-point distance control
- Simple 2-wire serial communications to commission duplex group control
- Group control of up to 8 elevators is based on fuzzy logic control theory
- In-built real-Time clock to facilitate Time-sharing control and elevator management
- Flexible emergency backup power; 220 Vac power input makes emergency evacuation easy with automatic light load direction search.
- Handheld Keypad operation tools make easy commissioning.
- 10 latest fault codes to facilitate easy diagnostics.
- Multiple type of encoder supported, Encoder Fault Protection.
- Advanced Door-Opening.
- Re-Levelling/Self-Rescue Levelling.
- Shaft Parameter Self-Learning.
- Anti-rollback without any external load cell (gearless machines)
- Flexible programmable I/O's.
- Static auto tuning for asynchronous and synchronous machines (without brake opening)
- Auto and Manual Door Supported.
- Double Door Supported.
- Target Floor Call LED Blinking Function.

No of Floor

- Car Connection Through CAN Bus, Only 14 Core Travelling Cable Require.
- Landing Connection Through Modbus, Only 4 Core Cable Require.

No of Floor level :

- Each CCB (Car Call Board) can adopt up to max.
- 16 floors, above 16 floors need additional CCB in serial link, max 40 Floor Supported.

Power Rating

- 3.7KW to 30KW, Three-Phase (3 - Ø) 380 to 480VAC
- 2.2KW and 3.7KW Single-Phase (1 - Ø) 220VAC – Only PMSM



Applications

- Simplex, duplex, 3~8 units elevator control serial link additional AD-GCB (Group Control Board).
- High speed, medium speed, low speed.
- Commercial elevator, passenger elevator, disabled elevator etc.,
- Elevator rated speed ≤ 4.0 m/sec.