

NICE 3000+ High Performance Integrated Controller for Elevators



Power Rating

- 2.2 kW to 45kW, three-phase 380/400/415V
- 2.2 kW to 30kW, three-phase 220V
- 2.2 kW to 30kW, single-phase 220V

Applications

- Simplex, Duplex, 3~8 Group control elevator
- High speed, medium speed, low speed
- Superior elevator, passenger elevator, medical elevator, residential elevator, disabled elevator etc
- Elevator rated speed < 4.0 m/sec
- Floor level : Each CCB (Car Call Board) can adopt up to max. 16 floors, above 16 serial link additional CCB

Applicable Encoder Type

- MCTC-PG-E for absolute Sin/Cos encoder (ERN 1387, 5Vdc, 2048PPR)
- MCTC-PG-D for quadrature incremental encoder (UVW 8192, 5Vdc, 8192PPR)
- MCTC-PG-F1 for absolute SinCos ECN413 & Ecn 1313 with EnDat 2.0.
- MCTC-PG-A2 for Incremental encoder, single ended (A,B).

NICE3000 is the ideal integrated solution for elevator control, suitable for a diverse range of geared and gearless machines, providing the best riding comfort with high safety integrity

Technical Features

- Redundancy control through Multi-CPU's, equipped with CANbus, Modbus and GSM communication technology
- Based on displacement calculation methods derive N velocity profile to achieve optimum direct-to-point distance control
- Simple 2 wire serial communications to commission duplex group control
- Group control with less than 8 elevators is based on fuzzy logis control theory
- In-built real-time clock to facilitate time-sharing control and elevator management
- Flexible emergency back up power; 220Vac power input makes emergency evacuation easy
- Automatic identification operation between short-floors
- Handheld Operation Tools: Mini Keypad, PDA, PC to facilitate easy commissioning
- 60 fault codes to facilitate easy diagnostics

