

ADR100 Series

ADR100 261162

Integrated Elevator Door Motor Controller



Lean integration

- The product is a brand-new integrated door motor controller, which is solid and compact.
- Door motor, encoder, and drive are integrated for more flexible installation and wider application. Car top control function can be integrated (optional).
- Cable connection between the encoder and drive is not required, providing higher anti-interference capability.

Easy commissioning

- App commissioning: The Bluetooth module can be configured to support visualized commissioning and upgrade on the mobile app.
- One-tap direction control: The product allows you to change the motor running direction by one tap in the app.
- One-tap system commissioning: The product allows you to start motor auto-tuning, door width auto-tuning, door vane travel auto-tuning, or door vane type identification (for synchronous or asynchronous motors) by one tap on a panel button.

Excellent performance

- Auto curve generation: The product generates door-open and door-close curves efficiently in adaptation to the door widths and positions, eliminating the need to manually change the parameters of the curves.
- The high carrier frequency design guarantees quiet elevator operation.

Safe and durable

- The blocking protection for door-open and door-close and power-off anti-clipping features guarantee safer elevator use.
- Door vane blocking detection and protection improve the mechanical service life.
- Motor over-temperature protection improves the product service life.

■ Product Specifications

Model	Power Class (W)	Input Voltage (V AC)	Rated Current (A)	Output Current (A)	Rated Frequency (Hz)	Rated Power (W)
ADR100-S01D	50	220	1.1	1.3	24	50

■ Technical Specifications

Item	Specifications
Maximum output frequency	99 Hz
Speed regulation range	1:1000 (FVC)
Speed stabilization accuracy	± 0.05% (FVC)
Starting torque	0 Hz 180% (FVC)
Speed control fluctuation	± 1% (FVC)
Carrier frequency range	5 kHz to 16 kHz adjustable, 14 kHz by default
Cabinet size	218 × 112 × 60 mm
Storage temperature	-20°C to 40°C
Storage humidity	5% to 95%
Operating humidity	Below 95%, non-condensing
Pollution degree	PD2
Transportation vibration	Sinusoidal vibration at 9 Hz to 200 Hz: 15 m/s ² (1.5 g)
Transportation means	Vehicle, train, plane, ship, or other similar means of transportation
Transportation humidity	Below 95%
IP rating	IP20
Supported motor	Synchronous motor
Power class	50 W
Commissioning	Mobile app
Protection functions	Controller overvoltage protection, undervoltage protection, overcurrent protection, output phase loss protection, short-to-ground protection, and anti-pinch upon power failure

■ Product Dimensions

