



Elevator Drive

EC100 Elevator Intelligent Integrated Controller

Integration drives the technology , core leads the future

EC100 elevator intelligent integrated controller is an world-class intelligent product integrated with control and drive. It combines advanced VVVF control technology, intelligent elevator control technology, internet communication technology. We are dedicated to supply advanced, high-quality, energy-saving and safe control/drive equipment.

Basic Performances:

- Less and less resource during elevator installation, adjustment, application and management.
- Speed up to 6m/s, maximum 64 floors
- Intelligentize and networking group control system with up to 8 elevators.
- High-performance starting compensate technology without load weighing sensor
- Advanced space vector algorithm, integrate synchronous and asynchronous encoder interface
- High-performance current vector control, output 180% torque in zero speed
- UPS emergency rescuer mode with one phase AC 220V, light load direction research

Special Features:

- The first open type PLC controller, which can supply substitution and replacement of some inputs and outputs. It supports second development platform to the customer to make our production be individual and different
- Handled operator—the separated operational interface with Chinese/English online help system. It has many features, such as adjustment authority management, adjustment record management, parameter upload/download and data copying
- The handled operator can connect with car control board through CAN to set parameters quickly and easily
- Add TCP/IP internet module for remote adjustment and remote control
- Remote monitoring with TCP/IP protocol, Wireless monitoring with GSM/3G

• Canada

• United States

• Australia



Basic Characteristics

Item	Name	Description
Input/Output	Input Voltage Range	380±15%
	Input Frequency Range	47 ~ 63Hz
	Output Voltage Range	0 ~ rated input voltage
	Output Frequency Range	0 ~ 400Hz
Outside Interface	Switching Low-voltage Inputs	29 Switching low-voltage inputs, DC 24V/4.5 ~ 8mA
	High-voltage Detection Inputs	3 High-voltage detection inputs, AC/DC 110V
	Switching Outputs	12 Switching outputs
	CAN Interface	3 separated CAN interface
Technical Control	Encoder Interface	Sin/Cos, Collector NPN output, push-pull encoder interfaces
	Control Mode	PG vector control
	Overload Capacity	150% of rated current; 60s; 180% of rated current; 10s;
	Starting Torque	PG vector control: 0Hz/180%
	Speed Ration	PG vector control: ±0.1% of top speed
	Carrier Frequency	1.0kHz ~ 16.0kHz

Dimension

Type	W (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Aperture (mm)	Stud
EC100-7R5-4	170	320	197	151	303	6.5	φ 6.5	M6
EC100-011-4	170	320	197	151	303	6.5	φ 6.5	M6
EC100-015-4	230	330	197	210	311	6.5	φ 6.5	M6
EC100-018-4	230	330	197	210	311	6.5	φ 6.5	M6
EC100-022-4	255	400	226	237	384	10	φ 6.5	M6
EC100-030-4	255	400	226	237	384	10	φ 6.5	M6

Type

Type	Rated Output Power	Rated Output Current	Brake Unit	Brake Resistor
EC100-7R5-4	7.5	18	Internal	50Ω/2000W
EC100-011-4	11	27	Internal	40Ω/4000W
EC100-015-4	15	34	Internal	32Ω/4500W
EC100-018-4	18	38	Internal	28Ω/5000W
EC100-022-4	22	46	Internal	20Ω/7000W
EC100-030-4	30	62	Internal	16Ω/9000W

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