

IECB-III

Escalator Products and Accessories Selection Manual



Preface

Thank you for choosing IECB-III series elevator products.

Notice

- In order to illustrate the details of the product, the illustrations in the manual sometimes show the state of removing the cover or safety cover.
- When using this product, please be sure to install the casing or cover as required, and operate according to the contents of the manual.
- Illustrations in this manual are for illustration only and may differ from the product you ordered.
- Due to product upgrades or specification changes, and for the convenience and accuracy of the manual, the contents of this manual will be changed in time.
- When you need to order manuals due to damage or loss, please contact the company's regional agents, or directly contact the company's customer service center.
- If you still have some unexplained problems during use, please contact our customer service center.

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1、IECB-III Escalator Integrated Control Cabinet



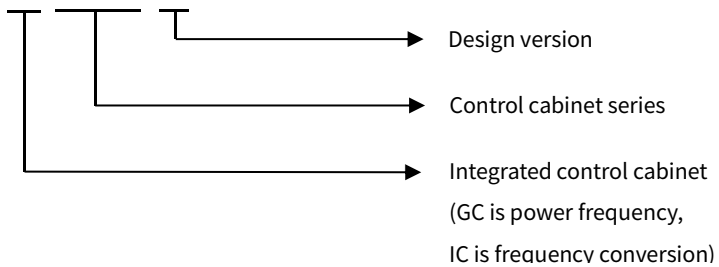
GC1601-A



IC1602-A

Naming rules

GC 1601 - A



Features

- ★ The minimal design of the main and auxiliary systems saves man-hours and

is easy to maintain and repair

- ★ Ultra-small size, high utilization rate of civil engineering, less room space occupation
- ★ Integrated Bluetooth debugging module, IoT interface
- ★ Support remote OTA program upgrade, support parameter upload and download
- ★ DC24V safety circuit, and passed PESSRAE certification, safe
- ★ Integrate 28 sets of safety circuit monitoring points, 3-digit digital display tube
- ★ Built-in boot menu simplifies debugging steps and reduces learning costs
- ★ There are rich expansion functions, expandable I/O: 76 input + 32 output

Product specification

Model	GC1601-A	IC1602-A
Name	Power frequency control cabinet	Full frequency conversion control cabinet
Control method	Star-delta	Full frequency conversion
Standards compliant	≤18.5KW	≤30KW
Size (mm)	470*170*751	474*211*751

Input power

Phase number, voltage, frequency	3 phase: 220V/380V/415V 50/60Hz	3 phase: 380V/415V 50/60Hz
Three-phase unbalance factor	15%	15%
Voltage range	3 phase: 220V±15% 3 phase: 380V±15%	3 phase: 340V~480V
Allow frequency	15%	15%

fluctuation		
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Output voltage

Brake voltage	AC200V/AC110V/DC110V
Additional brake voltage	AC200V/AC110V/DC110V
Lighting voltage	AC220V/DC24V

Scalability

Function expansion board	EFEB board: 10 input, 8 output; Maximum number of extensions: 2
Fault acquisition board	ETCB: 18 input; Maximum number of extensions: 2

Function configuration

Security function	10 PESSRAE certified functions
Logic function	24 standard; 10 optional
Safety circuit monitoring point	28
Fault display/record	1000

For details, please refer to: 《GC1601-A Control Cabinet User Manual》
《IC1602-A Control Cabinet User Manual》

3、KB6-A Escalator Multifunction Display



Size (mm)	210*52*63
Display content	Escalator status, running direction, fault code
4G Gateway	optional
Display Power Consumption	<8W
Button	Two-way start key, stop key
Protocol	485
Power Consumption	<3W
IP	IP65
Voltage	DC24V±10%
Ambient working temperature	-20°C~+60°C

4、 Maintenance Box



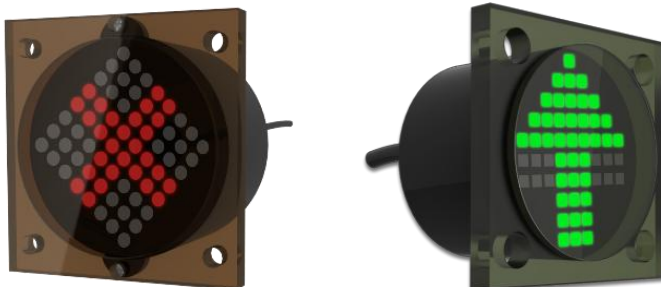
Size (mm)	180*70*52
Display content	Escalator status, running direction, fault code
Buzzer	optional
Button	Emergency stop, up/down button, common port
IP	IP65
Voltage	DC24V±10%
Ambient working temperature	-20°C~+60°C





5、KB5-A Escalator Multifunction Display



Size (mm)	283*80*72.5
Display content	Running status, fault information, running direction
Historical fault query	Support 20000 historical fault query
Button	Up/down page key, return key, confirmation key
Protocol	485
Power Consumption	<3W
IP	IP65
Voltage	DC24V±10%
Ambient working temperature	-20°C~+60°C

6、XL1-A1/A2 Traffic Lights



Size (mm)	85*82*50	61.5*61.5*40
Display content	 Run  Stop	 Run  Stop
Display Power Consumption	<1W	
Wiring	three-wire	
IP	IP65	
Cable length	2m、6m、8m	
IP	IP65	
voltage	DC24V±10%	
Ambient working temperature	-20°C~+60°C	

7、TGSJ-LED24 Handrail Germicidal Lamps



Size (mm)	129*90*86.5
Best sterilization distance	< 15mm
Light	LED 3535 *12PC
Wavelength	270~285nm
Sterilization rate	> 99%
Power Consumption	< 3W
IP	IP65
Voltage	DC24V±10%
Ambient working temperature	-25°C~+60°C

8、BCZ- A01 Additional brake delay controller



Size(mm)	124*102*47
Input voltage	AC220V
The maximum maintenance power consumption of the whole machine	<10W
Start Time	$\leq 1S \pm 0.1\%$
Trigger Delay After Power Loss	$\geq 2.5S$
Controller load instant start voltage	178~308VDC
Controller load instant start current	$\leq 6A$
Voltage	DC24V $\pm 10\%$
Controller maintains the output voltage with load	6~12VDC
Controller maintains the output current with load	160 mA -200mA
Fault relay dry contact output	The contact is closed in normal working and open in fault
Secondary excitation function	support
Output relay stick detection	Yes
Ambient working temperature	-20°C~+60°C

Appendix version change record

Date	Changed Version	Changed Content
202306	A00	First edition release