



**INDEPENDENT ELEVATOR(SUZHOU) CO.,  
LTD.**

# **电梯功能参数表**

## **Passenger Elevator Specification & Functions**

**【正本】**

**INDEPENDENT ELEVATOR(SUZHOU) CO., LTD.**

**都利电梯（苏州）有限公司**

**Configuration Table of IDF Freight Elevator**

<b>序号</b>	<b>名称 Name</b>	<b>品牌 Brand</b>	<b>品牌地 Origin</b>	<b>备注</b>
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NO.					Remarks	
<b>控制系统 Control System ( 默纳克 MONARCH NICE3000 )</b>						
1	一体化 控制器	主控 Main Control	双端口 RAM Double port RAM	塞朴拉斯 SYPPRESS	美国 ( 全球工厂 ) America ( Global factory )	CY7C131
2			电源控制监控芯片 Control monitor chip		美国 ( 全球工厂 ) America ( Global factory )	AD708
3			CPU		日本 ( 全球工厂 ) Japan ( Global factory )	H3687
4					美国 ( 全球工厂 ) America ( Global factory )	
5			时钟芯片 Clock Chip	精工 SEIKO	日本 ( 全球工厂 ) Japan ( Global factory )	3530A
6		驱动 Driving	逆变桥 Spacer	优派克 EUPEC	德国 ( 全球工厂 ) Germany ( Global factory )	FPXX12KE3
7				富士 FUJI	日本 ( 全球工厂 ) Japan ( Global factory )	
8			驱动光耦 Drive Photo coupler	安华高 AGILENT	美国 ( 全球工厂 ) America ( Global factory )	A316J
9			数字信号处理器 DSP	德州仪器 TI	美国 ( 全球工厂 ) America ( Global factory )	
10		电源 Power	整流桥 Rectifier Bridge	优派克 EUPEC	德国 ( 全球工厂 ) Germany ( Global factory )	FPXX12KE3
11				富士 FUJI	日本 ( 全球工厂 ) Japan ( Global factory )	
12			开关电源芯片 Switch power supply chip		美国 ( 全球工厂 ) America ( Global factory )	U3844
13				德州仪器 TI	美国 ( 全球工厂 ) America ( Global factory )	
14		通信 Commun ication	CAN 总线控制器 CAN bus controller	飞利浦 PHILIPS	荷兰 ( 全球工厂 ) Netherlands ( Global factory )	SJA1000T
15				德州仪器 TI	美国 ( 全球工厂 ) America ( Global factory )	
16			485 总线控制器 485 communicate chip	亚德诺 ADI	美国 ( 全球工厂 ) America ( Global factory )	
17				美信 MAXIM	美国 ( 全球工厂 ) America ( Global factory )	
18				德州仪器 TI	美国 ( 全球工厂 ) America ( Global factory )	



序号 NO.	名称 Name		品牌 Brand	品牌地 Origin	备注 Remarks
19	输入 输出 Input/ Output	输入普通隔离光耦 Terminal input Photo coupler	安华高 AGILENT	美国 ( 全球工厂 ) America ( Global factory )	
20			东芝 TOSHIBA	日本 ( 全球工厂 ) Japan ( Global factory )	
21			日本电气 NEC	日本 ( 全球工厂 ) Japan ( Global factory )	
22			亿光 EVERLIGHT	台湾 ( 台湾工厂 ) Taiwan ( Taiwan factory )	
23		高速光耦 Encoder Photo coupler	安华高 AGILENT	美国 ( 全球工厂 ) America ( Global factory )	
24			东芝 TOSHIBA	日本 ( 全球工厂 ) Japan ( Global factory )	
25			日本电气 NEC	日本 ( 全球工厂 ) Japan ( Global factory )	
26	主接触器 Main contactor			日本 ( 全球工厂 ) Japan ( Global factory )	G8P-1A4P
27	运行接触器 Operation contactor		施耐德 SCHNEIDER	法国 ( 全球工厂 ) France ( Global factory )	
28	继电器 Relay		松下 Panasonic	日本 ( 全球工厂 ) Japan ( Global factory )	JQIP-24
29	插件 Insert		安普 AMP	美国 ( 全球工厂 ) America ( Global factory )	
30	控制柜 Controller		中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	
<b>II 曳引系统 Driving machine system</b>					
31	曳引机 Driving machine		欣达/蒙特纳利 XINDA/MONA	中国 China	Gearless Type
32	旋转编码器 Rotary encoder		海德汉 HEIDENHAIN	德国 ( 全球工厂 ) Germany ( Global factory )	
<b>III 门机系统 Door system</b>					
33	门机系统 Door operator system		欧菱/易升 Ouling/Eshine	中国 China	
34	层门装置 Landing door device		欧菱/易升 Ouling/Eshine	中国 China	
35	轿门 Car door		中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	
36	层门 Landing door		中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	
<b>IV 轿厢系统 Car system</b>					
37	轿厢 Car		中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	





序号 NO.	名称 Name	品牌 Brand	品牌地 Origin	备注 Remarks
38	轿架 Car frame	中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	
<b>V 人机交换系统 Man-machine exchange system</b>				
39	操纵箱 Operation panel	中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	
40	厅外召唤盒 Hall calling box	中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	
41	插件 Insert	安普 AMP	美国 ( 全球工厂 ) America ( Global factory )	
<b>VI 安全部件 Safety parts</b>				
42	安全钳 Safety gear	奥德普 AODEPU	中国 ( 宁波工厂 ) China ( Ningbo factory )	
43	限速器 Governor	奥德普 AODEPU	中国 ( 宁波工厂 ) China ( Ningbo factory )	
44	缓冲器 Buffer	东方 Dongfang	中国 ( 河北工厂 ) China ( Hebei factory )	> 1.0m/s
45		绿盾 Green Shield	中国 ( 上海工厂 ) ZDQ China ( Shanghai factory )	≤1.0m/s
46	光幕 Infrared curtain	微科 WECO	中国 ( 宁波工厂 ) China ( Ningbo factory )	
<b>VII 井道材料系统 Shaft materials Units</b>				
47	平层感应器 Leveling inductor	三荣 SANEI	中国 ( 湖州工厂 ) China ( Huzhou factory )	
48	导轨 Guide Rail	中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	T89 ≤1.75m/s
49		中远 IDD	中国 ( 苏州工厂 ) China ( Suzhou factory )	T90 > 1.75m/s
50	钢丝绳 Steel siren rope	顶天 Dingtian	中国 ( 江苏工厂 ) China ( Jiangsu factory )	
51	绳头组合 Rope fastening	宁津 NINGJIN	中国 ( 山东工厂 ) China ( Shandong factory )	
<b>VIII 线缆系统 Cabling system</b>				
52	电线和电缆 Electric wire and cable	欧开/长顺 Oukai/Cshun	中国 ( 上海工厂 ) China ( Shanghai factory )	
53	插件 Insert	安普 AMP	美国 ( 全球工厂 ) America ( Global factory )	

1. The configuration table is only suitable for standard specifications and is invalid for optional specifications. Anyone can not change the above configurations without the technical permissions.
2. IDD Elevator carries out global purchase, the rights to adjust some brands or places of origin according to product technical innovation are reserved on the premise of product quality assurance.



#### ( 四 ) IDF Freight Elevator Standard Functions

Function Name	Function Explain
Elevator frequency driver	Precisely adjust the motor speed to lift start, run, stop, speed curve when smooth, sleek, good comfort.
Door machine variable frequency drive	Precisely adjust the motor speed, making the door open and close more light sensitive.
Run on its own	Through the action switches, called outside the elevators do not respond, respond only in car instruction.
Emergency lighting	Power failure, automatically open car emergency lighting.
Screen protection	During the door opening and closing, covering the entire door height door protection device for infrared photo-detection of passengers and objects.
Designated parking floor	For some reason, elevator in the destination layer was unable to open the door; the elevator will run close to the next specified floor.
Automatically keep station through	When a car packed with passengers or load close to book value, in order to maintain maximum operating efficiency, the car will automatically cross the calling station.
Overload stop ladder	When overloading, ring the buzzer and stop at the station.
Anti-disturbance	When light appears when more than three orders, in order to avoid unnecessary dock, inside the car has been registering all calls will be automatically eliminated.
Car fan/lighting automatically switches	No call or command signals within the stipulated period, the fan inside the car and lights are automatically turned off, to save energy.
Leveling again after power on	Due to power failure or power failure stopped the car between the two layers, when the car will run automatically after power is restored to the flat position.
Remote Shutdown	By key switch, the elevator can be called to the base station (after the service is completed), and automatically leave the service.
Prevent stalling internal counter protection	Cannot running due to the traction rope slipping during normal operation, the elevator stopped running.
Start protection control	After the elevator starts within a specified time, did not leave the gate area, the elevator stopped running.
Inspection operation	When entering inspection operation, the car will come into inching operation at 0.3m / s
Inching operation	When using emergency power, the car will come into inching operation at 0.3m / s
Safety stop	Elevator malfunction stopped between floors, the controller first diagnostic tests, and then run to the specified floor.
Fault self-diagnosis	Controller records the latest 62 failures to quickly troubleshoot and speedy resumption of the elevator.
Elevator door repeat open-close	Sometimes because of obstruction or interference, the elevator door failed to close, elevator doors repeatedly turning on or off until the debris is cleared.
The time for open the door automatically adjusts	In accordance with the call of station or car called the difference, automatically adjusts to keep open.



Layer again to open the door	In the process of closing, you can press the call button to put the door back open.
Immediate closing	When the elevator stops the door into place, press the close button, door is closed immediately.
Stop and open the door	Elevators slow leveling, open the door until it is fully stopped.
Car and stop fretting instructions button	Car operation panel command buttons and call button with new micro-button.
Car arrival Bell	Car top-loading electronic clock bells told Hou staircase passenger lift has been pulled in.
Five systems	Over the intercom, car, car roof, elevator machine room, between the shaft hole, rescue duty room at the end of the call.
Alarm bell	In case of emergency, press the alarm button on the operation panel of the car under, installed in the cabin on top of the Bell to be rung.
Car floor, directional	Displays the floor and the elevator is currently running in the car.
Station floor, directional	Floor displays the floor and the elevator is currently running.
More layers up and down and limiting protection device	That they could be effectively prevented when the elevator was made, or when the case of a runaway hit bottom, making elevators more safe and reliable.
Following line over-speed protection device	When the elevator runs 1.2 times faster than rated speed which automatically cut off the power, the motor stopped running to prevent the elevator speeding down; such as the lift continued to speed down, when it is 1.4 times faster than rated speed,
Up speed protect equipment	When the uplink speed is greater than 1.2 times the rated speed of times, the device automatically lifts slow down or stops.
Fire Return	Start the base station or the key switches on the monitor screen, all call of duty was abolished, lift immediately to the designated rescue-station docking, and automatic door.