MoBst® 默贝特

Integrator expert of elevator electrical components
MoBst® Shanghai MoBst Elevator Technology Co., Ltd., is the joint-venture company between Shanghai BST and Suzhou Monarch.

MoBst integrated the two companies' excellent products together, supplying the big-set elevator electric products to the market (Monarch integrated controller, BST fence, BST cable, BST door).

MoBst focus on the big-set integrate solution design and running, in order to provide high integration, rich selection and quick delivery big-set to the market, to help the customers to be more competitive and improve its company running efficiency.

Suzhou Monarch Control Technology Co., Ltd., a wholly-owned subsidiary of Shenzhen Insurance Technology Co., Ltd., was founded in December 2003. Benefiting from the advanced AC drive technology of Insurance and qualified technical personnel, it supplies complete control and drive products to the elevator industry.

As a leader of the elevator integration technology, Monarch has successfully launched the NICE3000, NICE7000, NICE2000 and NICE1000 (applied to freight elevator and villa elevator) integrated elevator controllers. It revolutionizes the elevator control system and takes the lead in the industry with a new term “integration”.

Relying on Insurance’s mature R&D platform, marketing platform, sales network, manufacturing platform and quality platform, Monarch provides customers with “Monarch Brand” supports and services, besides supplying highly competitive products. Dedicated to “Creating Value for Customer”, Monarch sustains close cooperation with customers to achieve a win-win result.

Outstanding in "Speciality, Technology and Service", Monarch keeps vigorous and rapid development. As of March 2012, the number of Monarch integrated elevator controllers running nationwide reached 300,000.

As a main supplier of global elevator electrical products, BST adheres to the idea of creating comfortable lives for customers, focus on developing full set elevator electrical products combined with electronic and mechanical designs, provide complete electrical solutions to elevator customers.

BST offer all kinds of professional services, eg. research & design, production, engineering application, on-site support, etc., to quickly provide customers with product solutions. BST produce and supply customized elevator human-machine interface devices, microcomputer-controlled elevator door systems with synchronous and asynchronous drives, elevator traveling cables and cable harness with multi-signal transmission, high-speed & multi-core micro-computerized elevator logic controllers, energy-saving frequency-converted motor drives.

With more than 10 years development, BST always keep the spirit of perfectly pursuing higher quality and better service, to offer more competitive system solutions, and to provide more comfortable human-machine environment to customers.
We can bring you

We focus on the research and development of big-set integrated elevator electric components.
- Big-set integration and more stable products,
- Smooth business operation,
- High effective deliver,
- More attentive service.
**Control Cabinet**

### NICE-CW1 Machine-roomless Control Cabinet

**Technical Parameters**

- **Power**: ≤ 1.5kW
- **Speed**: ≤ 2.5 m/s
- **Max. Number of Landing Floors**: 49 floors (can be extended)
- **Wiring Mode**: Plug-in
- **Cabinet Dimensions**: 460*230*172mm (W*D*H)
- **Resistance Box Dimensions**: 190*76*53mm (W*D*H)
- **Control System**: NICE E300™ Integrated controller
- **Max-electrical Signal Sampling Mode**: All normal
- **Standard Applicable Power Supply**: Three-phase 380 VAC
- **Brake Applied Voltage**: DC110V
- **Remote Action Voltage**: AC220V
- **Applicable Elevator Type**: Machine-roomless type elevator
- **Applicable Motor**: PMDC, AC asynchronous
- **Color**: Gray RAL 7032
- **Standard Package**: Carbon
- **Mounting Mode**: Plate type

### Optional Functions

- **Function**: 380 V lightning transformer (100 VA)
- **Description**: Add a 380 V lightning transformer and related circuit.

### NICE-CX1 Control Cabinet

**Technical Parameters**

- **Power**: 2.3kW-7.5kW
- **Speed**: ≤ 1m/s
- **Wiring Mode**: Plug-in
- **Cabinet Dimensions**: 100*240*104mm (W*D*H)
- **Control System**: All normal
- **Max-electrical Signal Sampling Mode**: Single-phase 220 VAC, three-phase 220 VAC
- **Standard Applicable Power Supply**: Single-phase 220 VAC, three-phase 220 VAC
- **Brake Applied Voltage**: DC110V
- **Remote Action Voltage**: AC220V
- **Applicable Elevator Type**: Home elevator
- **Applicable Motor**: PMDC asynchronous
- **Color**: Dark gray with orange peel 502024
- **Standard Package**: Carbon
- **Mounting Mode**: Plate type

### Optional Functions

- **Function**: 380 V lightning transformer (100 VA)
- **Description**: Add a 380 V lightning transformer and related circuit.

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**Control Cabinet**

### NICE1000 Home Control Cabinet A

**Technical Parameters**

- **Power**: 2.3kW-5.5kW
- **Speed**: ≤ 1.5m/s
- **Max. Number of Landing Floors**: 5 floors
- **Wiring Mode**: Plug-in
- **Cabinet Dimensions**: 660*230*620mm (W*D*H)
- **Control System**: NICE 1000 integrated controller
- **Max-electrical Signal Sampling Mode**: All parallel
- **Standard Applicable Power Supply**: Single-phase 230 VAC, optional three-phase 380 VAC
- **Brake Applied Voltage**: DC110V
- **Applicable Elevator Type**: Home elevator
- **Applicable Motor**: PMDC, AC asynchronous
- **Color**: Gray
- **Standard Package**: Carbon
- **Mounting Mode**: Plate type

### NICE1000 Home Control Cabinet B

**Technical Parameters**

- **Power**: 2.3kW-5.5kW
- **Speed**: ≤ 1.5m/s
- **Max. Number of Landing Floors**: 5 floors
- **Wiring Mode**: Plug-in
- **Cabinet Dimensions**: 460*230*530mm (W*D*H)
- **Control System**: NICE 1000 integrated controller
- **Max-electrical Signal Sampling Mode**: All parallel
- **Standard Applicable Power Supply**: Single-phase 230 VAC, optional three-phase 380 VAC
- **Brake Applied Voltage**: DC110Y
- **Applicable Elevator Type**: Home elevator
- **Applicable Motor**: PMDC, AC asynchronous
- **Color**: Gray
- **Standard Package**: Carbon
- **Mounting Mode**: Plate type

### NICE1000 Home Control Cabinet C

**Technical Parameters**

- **Power**: 2.3kW-5.5kW
- **Speed**: ≤ 1.5m/s
- **Max. Number of Landing Floors**: 6 floors
- **Wiring Mode**: Plug-in
- **Cabinet Dimensions**: 320*230*1600mm (W*D*H)
- **Control System**: NICE 1000 integrated controller
- **Max-electrical Signal Sampling Mode**: All parallel
- **Standard Applicable Power Supply**: Single-phase 230 VAC, optional three-phase 380 VAC
- **Brake Applied Voltage**: DC110Y
- **Applicable Elevator Type**: Home elevator
- **Applicable Motor**: PMDC, AC asynchronous
- **Color**: Gray
- **Standard Package**: Carbon
- **Mounting Mode**: Plate type
**Human Interface Fixture**

### Installation instruction

<table>
<thead>
<tr>
<th>Component Code</th>
<th>Code Description</th>
<th>Surface Color</th>
<th>LED Color</th>
<th>Status</th>
<th>Resolution</th>
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<td>Red</td>
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</table>

**Remarks:**
When in portrait, the specifications are as follows: 28, 35.5, 55, 65, 80, 85, 90, 100. When the type is MB, and when the installation length is 500 and the height of the control panel is 400.

### Installation instructions

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**Remarks:** When the HOP code is 2 or 3, only the display and control panel are available. When the HOP code is 1, only the display and 2D display are available. When the HOP code is 4, the display is 3D, the display length is 600, and other types should be 550.
Human Interface Fixture

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Handicap series

Installation instructions

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| Description  |                     |
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fire fighting series

Installation instructions

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<th>High of</th>
<th>Weight of</th>
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<td>MBT-FIRE-B</td>
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</tbody>
</table>
**Door System**

- **J2500-C2A** 2 Panel Centre Opening Asynchronous Door Operator
  - Door Width: PL=600-1100
  - Clear Height: HL=2000-2400
  - Clear Height: 69kg

- **J2300-T2A** 2 Panel Side Opening Asynchronous Door Operator
  - Door Width: PL=600-1300
  - Clear Height: HL=2000-2400
  - Clear Height: 75kg

- **T2100-C2A** 2 Panel Centre Opening Integrated Landing Mechanism
  - Door Width: PL=700-1000
  - Clear Height: HL=2000-2200
  - Clear Height: 45kg

- **T2200-T2A** 2 Panel Side Opening Landing Mechanism
  - Door Width: PL=600-1300
  - Clear Height: HL=2000-2400
  - Clear Height: 75kg
Door System

Door Controller NICE900

Motor:
1. PM motor and AC Asynchronous Motor are both fitted.
2. Can be running with and without loading.
3. Power ratings are 200W, 400W, 700W.

Controller:
1. Integrated with door open & close logic control, and motor drive control.
2. Support two modes of speed control and remote control.
3. Having the protection function of over-loading, over-voltage, under-voltage, default phase, phase fault ——
4. Support the vector control of PM motor under using ABZ encoder, open circuit of encoder has the function of electrode output or push.

PM Motor and controller BG201

Motor:
1. Great torque, low speed motor, torque can reach 8N.m.
2. High output efficiency, the rotors of synchronous motor are of no wear and tear.
3. Energy saving, environment protective. The rotors are made of permanent magnet material, no consumption of excitation current.

Controller:
1. It can reach high performance with USA Fairchild SMSMTM and USA TI DSP processor.
2. Low noise, SPM Power Modules. Optimized vector control mode ensures the overall control performance.
3. Integrated panel debugging, intuitive status monitor, intelligent monitoring, open door machine running speed.

AC Asynchronous Motor and Controller BG101

Motor:
1. Asynchronous motor operators by VF or vector control system. When using VF control, it is unnecessary to use speed sensor. Not only control method is simple, but also a single controller can drive multiple type of motor as well.
2. Under the vector control mode, the motor can be driven smoothly with the speed information.
3. It is not necessary to consider demagnetization if using asynchronous motor. Moreover, with the large stall torque, asynchronous motor can be suitable for more types of door system.

Controller:
1. It can reach high performance with USA Fairchild SMSMTM and USA TI DSP processor.
2. It is equipped with VF control or closed-loop vector control, which possess VR compensation functions.
3. Adjustable torque compensation makes it fit for the elevator doors of different weights.
5. It is designed to be ultra-thin (5.9cm) with compact structure for flexible installation.

Door panel

BST can supply Normal Powder-coated Panels, Fireproof Panels, Full-Glass Panels and Big Vision Panels.
Cable System

RVV RVVP Round Elevator Control Cable

TVVBP TVVBPG Flat Elevator Control Cable

Cable solution

Full Plug-in Prefabricated Cable —— All sets of cable is bundled in plug-in way, which is more convenient to connect the cable.

Modular cable —— According to customer’s order, the combination of all sets are automatically formed, which has wide application.

ODS Order System —— As per customers’ order requirement, the cable list and price are formed quickly, quotation will be offered more efficiently.

Room Cable
- Parallel cable
- Door thermostatic electric cable
- Door safety cable
- Brake cable
- Door low-voltage cable
- Governor cable
- Electric cable
- Power supply cable

Car Cable
- Door cable
- Car door switch cable
- Safety gear cable
- Gate area cable
- Pushing mechanism cable
- Elevator cable
- Guardian Gage cable
- Car fire cable
- Car light cable
- Warning safety power supply COP cable

Howist Cable
- VOP cable
- Desalination and limit cable
- Landing door switch cable
- Haulage safety cable
- Pit maintenance cable
- Pit lamp cable
- Pit safety cable
- Spare cable

Travelling Cable
- Travelling cable
- Video accompanying cable

We are a reliable supplier as we are professional. If you choose us, what you get is more than what you think of... It is not 1+1=2, but 1+1=∞