Enterprise Introduction

Shanghai STEP Electric Corporation was founded in 1995 and the registered trademark is STEP. Dec. 24, 2010, STEP's opening gong at Shenzhen Stock Exchange sounded grand and STEP’s first offering of A-share to the public successfully! Stock Name: STEP, Stock Code: 002527.

STEP Group, based in Electric Corporation, owns Shanghai Sigriner STEP Electric Co., Ltd., Shanghai STEP Elevator Components Co., Ltd., Shanghai STEP Electric Wire & Cable Co., Ltd., Shanghai STEP Software Technology Co., Ltd., and two overseas companies: STEP Sigriner Elektronik GmbH based in Germany and Hong Kong STEP International Electric Holdings Co., Ltd.

STEP specializes in developing and manufacturing of industrial controller and drive system, serving the global industrial field. The product can be applied in some industries, such as elevator, hoisting/harbor, pump, rubber, textile/packaging, mining, etc. The major products in elevator industry include elevator control system, group control system, remote diagnostic and monitoring system; elevator inverter, integrated controller for elevator/goods elevator/esculator, energy regenerator, door inverter; elevator/escalator control cabinet; elevator car operation panel and landing operation panel, elevator call button, arrival lantern; elevator traveling flat cable and other types of wires and cables. The major products in industrial control field include: low/medium-voltage general/specific inverter, low voltage high capacity inverter, high voltage inverter, servo drive and other energy-saving products. E-commercial software products mainly include ESMS-Elevator Service Management Software, CEO5-Configurable Electronic Order System, etc.

The company management system has passed the ISO9001 of TUV and ISO14001 Certificate. Company products have obtained international certifications such as CE and EN81 from Europe, CSA from North America, and NRTL from US. The teams of the management and R&D are mainly composed of Ph.D., Masters, and Bachelor degrees, and our core technologies own the national patents of invention and software copyrights.

As utilization of the STEP global strategy, R&D centers and manufacturing centers have been established both in China and Germany. The products have been exported to over 30 countries and regions in Europe, North America, and Asia: Germany, England, Denmark, Scotland, Canada, Japan, Brazil, Chile, Singapore, Australia, India, Pakistan, Turkey, Saudi-Arabia, South Korea, Hong Kong, Taiwan and Macau, etc. In China, STEP has set up 20 branch offices and representative offices in Beijing, Shanghai, Guangzhou, Chengdu, Dalian, Shenyang, Tianjin, Nantong, Zhangzhou, Jinan, Wuhan, Changqing, Xian, Hangzhou, Wuxi, Nanxun, Wujiang, Changsha, Shenzhen and Xiamen, with sales of service covering the entire country.

STEP was appointed as a Shanghai enterprise of first national new high-tech, Shanghai IPR model and third national technical innovation experiment site. Shanghai STEP was an appointed national station for Postdoctoral Project, and its R&D centre has been recognized as an enterprise technical centre of Shanghai. STEP was accredited as Shanghai famous trademark. The company was also responsible for edition and revision of five national technical standards. By the end of 2010, STEP has achieved 70 patents and 17 patents among them were developed independently by our R&D, and 26 software copyrights. STEP Elevator control system and elevator inverter were approved as the national key new product, and the industrialization of elevator inverter project has received financial support of the national key technology innovation fund and was listed in the National Torch Program. The products including STEP elevator group control system and vector-type elevator inverter, etc. have been honored with the Shanghai Science &Technology Invention Award, and CNC servo drive system was an appointed product for independent innovation in Shanghai.
STEP Spirit: Face the world, pursue the best, stay always ahead of the line

STEP Value: Faith, innovation, excellence

STEP Tenet: Customer satisfaction, employee pride, community benefit

STEP Mission: Provide the best controller, driver and energy-saving products for our customers

STEP Vision: To be an international high-tech enterprise in electric industry
### Contents

#### Elevator Button

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| EB310 | EB950 | KA115 |
| EB410A | EB960 | KA117 |
| EB420 | EB980 | PB20 |
| EB430 | EBB10 | According to Shape and Installation Dimensions |

#### COP & LOP

| COP120 | COP1000A03 | COPB02 |
| COP211 | COP1000A04 | COPQ1080 |
| COP221 | COP1010 | EH981 |
| COP410 | COP1020 | EH982 |
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#### Arrival Lantern

| AL110 | AL140 | AL230 |
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| AL130 | AL220 |
The pictures about products on the catalogue are just for reference, subject to our available products. With respect to the specific patterns, please check with your local sales staff.
Elevator Button

Technical Characteristic

Electrical Specification
Rated Voltage: DC12V, DC24V (preferred)
LED current: ≤35mA
Switch specification: 500mA/50VDC
Contact resistance: ≤50mΩ
Insulation resistance: ≥100MΩ
Electrical lifetime: ≥2,000,000 times
Button contacts: 1 normally open

Mechanical Specification
Button movement: 0.25~0.8mm
Max. Button movement: ≤1.5mm
Reaction force: 3~6N

Operating Environment
Environment Temperature: -10℃~50℃
Environment Humidity: 45%~90%

Electrical Principle

![Electrical Principle Diagram]

Order of terminal: 1 2 3 4


**PB20**

**Features**

- Face plate of button: stainless steel, touch plate with tactile marking made of stainless steel by stamping, hollowed symbol filled with translucent resin, illuminated pictogram and Braille.
- Installation: point-welded screw fastened, suitable for mounting on the panel of 1.5~3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**EB420**

**Features**

- Face plate of button: spray-painted plastic, touch plate with tactile making made of stainless steel by stamping (plane, convex, concave), symbol filled with translucent resin (optional with Braille).
- Installation: screw-thread tightened, suitable for mounting on the panel of 1.2~4mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

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**Installation Dimensions (mm)**

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Elevator Button

**EB430**

**Features**
- Face plate of button: spray-painted plastic, touch plate with tactile marking made of stainless steel by stamping (plane, convex, concave), symbol filled with translucent resin (optional with Braille).
- Installation: screw-thread tightened, suitable for mounting on the panel of 2-4mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

**EB610**

**Features**
- Face plate of button: plastic, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin.
- Installation: point-welded screw fastened, suitable for mounting on the panel of 1.5-3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**
**EB950**

**Features**
- Face plate of button: spray-painted plastic, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin (optional with Braille), or made of with thin resin sheet with spray paint.
- Installation: screw-thread tightened, suitable for mounting on the panel of 2-8mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

![Installation Dimensions](image)

**EB960**

**Features**
- Face plate of button: stainless steel, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin (optional with Braille), or made of with thin resin sheet with spray paint.
- Installation: screw-thread tightened, suitable for mounting on the panel of 2-8mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

![Installation Dimensions](image)
**Elevator Button**

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**EB980**

**Features**
- Face plate of button: spray-painted plastic, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin (optional with Braille), or made of with thin resin sheet with spray paint.
- Installation: point-welded screw fastened, suitable for mounting on the panel of 1.5-3.5mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

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**EB111**

**Features**
- Face plate of button: stainless steel, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin.
- Installation: deck type fastened, suitable for mounting on the panel of 2-3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**
**Features**

- Face plate of button: stainless steel, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin (optional with Braille).
- Installation: clip fastened, suitable for mounting on the panel of 2~3 mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

![Installation Dimensions](image)

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**EB310**

- Face plate of button: spray-painted plastic, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin.
- Installation: clip fastened, suitable for mounting on the panel of 2~3 mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

![Installation Dimensions](image)
Elevator Button

**EBC12**

**Features**
- Face plate of button: stainless steel, matched with stainless steel frame, drive components made of stainless steel by stamping (touch plate: plane, convex, concave), with translucent and illuminated marking ring.
- Installation: screw-thread tightened, suitable for mounting on the panel of 1.2~4mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable: ruby-red, ivory-white, ocean-blue, bright-yellow, jade-green.

**Installation Dimensions (mm)**

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**EBC22**

**Features**
- Face plate of button: stainless steel processed by titanium coated, matched with stainless steel frame processed by titanium coated, drive components made of stainless steel by stamping, with translucent and illuminated marking ring.
- Installation: screw-thread tightened, suitable for mounting on the panel of 1.2~4mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable: ruby-red, ivory-white, ocean-blue, bright-yellow, jade-green.
Elevator Button

**KA115**

**Features**
- Face plate of button: spray-painted plastic, touch plate with tactile marking made of stainless steel by stamping, symbol fitted with translucent resin (optional with Braille).
- Installation: deck and screw-thread tightened, suitable for mounting on the panel of 1.5-3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

![Installation Diagram](image)

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**KA117**

**Features**
- Face plate of button: transparent plastic, touch plate with tactile marking made of stainless steel by stamping, symbol fitted with translucent resin, or symbol by direct stamping (optional with Braille).
- Installation: deck type fastened, suitable for mounting on the panel of 1.5-3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

![Installation Diagram](image)
EBB10

Features
- Face plate of button: plastic in electroplated metal/chrome, drive components made of stainless steel by stamping, hollowed-out circle in the middle part, filled with resin, illuminated.
- Installation: point-welded screw fastened, suitable for mounting on the panel of 1.5~3mm thickness.
- Optional symbol: Lifting call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

Installation Dimensions (mm)

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EBB30

Features
- Face plate of button: stainless steel, drive components made of stainless steel by stamping, hollowed-out circle in the middle part, illuminated.
- Installation: screw-thread tightened, suitable for mounting on the panel of 1.2~4mm thickness.
- Optional symbol: Lifting call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

Installation Dimensions (mm)
**Elevator Button**

### EBC10 Features
- Face plate of button: plastic, matched with stainless steel frame, drive components made of stainless steel by stamping with translucent and illuminated marking ring.
- Installation: screw-thread tightened, suitable for mounting on the panel of 1.2~4mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

### Installation Dimensions (mm)

### EB410A Features
- Face plate of button: stainless steel, touch plate with tactile marking made of stainless steel by stamping (plane, convex, concave), symbol filled with translucent resin (optional with Braille).
- Installation: screw-thread tightened, suitable for mounting on the panel of 1.2~4mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable
Elevator Button

**EB510**

**Features**
- Face plate of button: spray-painted plastic, touch plate with tactile marking made of stainless steel by stamping, symbol filled with translucent resin, illuminated in bi-color (symbol and marking ring with different lighting color, such as green(outside)-yellow (inside), white(outside)-red (inside), red (outside)-yellow (inside), etc.)
- Installation: deck type fastened, suitable for mounting on the panel of 1.5~3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**Installation Dimensions (mm)**

**EB220**

**Features**
- Face plate of button: stainless steel, touch plate with tactile marking made of thin resin sheet with spray paint.
- Installation: deck type fastened, suitable for mounting on the panel of 2~3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable
**EB221**

**Features**
- Face plate of button: plastic, touch plate with tactile marking made of thin resin sheet with spray paint.
- Installation: fixed bracket, suitable for mounting on the panel of 2~3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable

**EB910**

**Features**
- Face plate of button: plastic in electroplated metal/chrome, touch plate with tactile marking made of black thin resin sheet, hollowed symbol filled with resin (optional with Braille).
- Installation: point-welded screw fastened, suitable for mounting on the panel of 1.5~3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable
**Elevator Button**

**EB920**

**Features**
- Face plate of button: plastic in electroplated metallochrome, touch plate with tactile marking made of black thin resin sheet, hollowed symbol filled with resin (optional with Braille).
- Installation: point-welded screw fastened, suitable for mounting on the panel of 1.5~3mm thickness.
- Optional symbol: Landing call, Upwards and Downwards, Door open and closed, Alarm, Intercom, etc.
- Lighting colors selectable:
  - ruby-red
  - ivory-white
  - ocean-blue
  - bright-yellow
  - jade-green

**Installation Dimensions (mm)**

According to shape and installation dimensions
Technical Features

Display Window
- Square dot-matrix rolling display, Round dot-matrix rolling display, LCD display or seven segment code static display
- Indication of floor No., direction, and “OVERLOAD”
- Poly-glass display panel

Panel
- Optional material of panel: Mirror, titanium, hairline (long or short)
- Built-in inspection box in COP, matched with emergency lighting device, interphone and alarm button
- Landing operation panel: Simplex type or Duplex type
- Markings on the stainless steel nameplate can be chosen in laser-carving, silk-print, etching

Push Button Type
- Refer to the list of optional elevator push button

Electrical Specification
- Rated Voltage: DC24V
- Type of input signal: Seven segment code, BCD code, serial communication
- Indication type: Seven segment code, BCD code static display and LCD display
- Rolling display of serial communication: Round dot-matrix, Square dot-matrix and LCD
- Pattern of display: Horizontal and vertical type display

Mechanical Specification
- Material of panel: Mirror finished stainless steel, titanium plated, long or short hairline stainless steel
- Type of nameplate: Stainless steel etched, silk screen printed, and direct processing on the plate
**EH981**

**Features**
- Material of panel: hairline bending stainless steel, plastic seals on both ends
- Connection of Faceplate with Box by screws on both ends of the plate, easy to install
- Type of input signal: Seven segment code, serial communication
- Display in the hall: “full, stop, etc.”

**Recommended Buttons**
- EB 410A
- EB 980

**Installation Dimensions (mm)**

**EH982**

**Features**
- Material of panel: hairline bending stainless steel, plastic seals on both ends
- Connection of Faceplate with Box by screws on both ends of the plate, easy to install
- Type of input signal: Seven segment code, serial communication

**Recommended Buttons**
- EB 410A
- EB 980

**Installation Dimensions (mm)**
**COP & LOP**

**EHD982**

### Features
- Material of panel: hairline bending stainless steel, plastic seals on both ends
- Connection of Faceplate with Box by screws on both ends of the plate, easy to install
- Type of input signal: Seven segment code, serial communication

### Recommended Buttons
- EB 410A
- EB 080

### Installation Dimensions (mm)

**EH1980**

### Features
- Material of panel: hairline bending stainless steel, no plastic seals on both ends
- Connection of Faceplate with Box by screws on both ends of the plate, easy to install
- Type of input signal: Seven segment code, serial communication
- Display in the hall: “full, stop, etc.”

### Recommended Buttons
- EB 419A
- PB 210

### Installation Dimensions (mm)
COP511

Features
- Material of panel: hairline stainless steel, mirror finished stainless steel
- Separate layout of Display and operation part of the operation panel
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: "overload, fire control, full, stop, inspection, etc."
- Hall landing operation panel: simplex type or duplex type

Recommended Buttons
- EB 410
- EB 210

Installation Dimensions (mm)

COP811

Features
- Material of panel: hairline stainless steel, mirror finished stainless steel
- Connection of Faceplate with box by clip sets, easy to install
- This operation panel model only as assisting operation mode for handicapped persons, to coordinate the main operation panel in use.

Recommended Buttons
- EB 218
- EB 418A

Installation Dimensions (mm)
**COP & LOP**

### COP920A01

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type.

**Recommended Buttons**

<table>
<thead>
<tr>
<th>Floors</th>
<th>L</th>
<th>L1</th>
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<tbody>
<tr>
<td>L62-L12</td>
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<tr>
<td>L09-L16</td>
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<tr>
<td>L17-L24</td>
<td>1440</td>
<td>1420</td>
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</table>

**Installation Dimensions (mm)**

![安装图](image)

### COP120

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type.

**Recommended Buttons**

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<th>Floors</th>
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<td>L25-L32</td>
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</table>

**Installation Dimensions (mm)**

![安装图](image)
COP211

Features

- Material of panel: hairline stainless steel, mirror finished stainless steel, flanking on left and right sides of the plate, plastic seals on top and bottom ends
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type

Recommended Buttons

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<td>EB 220</td>
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<td>EB 410B</td>
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Installation Dimensions (mm)

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<td>120 x 120</td>
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COP221

Features

- Material of panel: hairline stainless steel, mirror finished stainless steel, flanking on left and right sides of the plate, plastic seals on top and bottom ends
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type

Recommended Buttons

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Installation Dimensions (mm)

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<td>413 x 75</td>
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</tbody>
</table>
**COP & LOP**

### COP410

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel, etc.
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car: "overload, fire control, etc."
- Hall landing operation panel: simplex type or duplex type

**Recommended Buttons**
- EB 610
- EBC 22

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<tr>
<th>Call Model</th>
<th>Plate Dimension</th>
<th>Box Dimension</th>
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<tbody>
<tr>
<td>EHH130 Simplex</td>
<td>250x150</td>
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<tr>
<td>EHH130 Duplex</td>
<td>250x150</td>
<td>250x150x50</td>
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</table>

### COP1010

**Features**
- Material of panel: mirror finished stainless steel fiber drawing effect in the middle part
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: "overload, fire control, full, stop, inspection, etc."
- Hall landing operation panel: simplex type or duplex type

**Recommended Buttons**
- EB 210
- EB 410

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<th>Call Model</th>
<th>Plate Dimension</th>
<th>Box Dimension</th>
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<tbody>
<tr>
<td>EHH1010 Simplex</td>
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<td>480x100x50</td>
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<tr>
<td>EHH1010 Duplex</td>
<td>480x100</td>
<td>480x100x50</td>
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</table>
**COP & LOP**

### COP1020

**Features**
- Material of panel: mirror finished stainless steel, surface golden titanium plated
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type

**Recommended Buttons**
- EBC 10
- EBC 22

<table>
<thead>
<tr>
<th>Floors</th>
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<tbody>
<tr>
<td>L62-L16</td>
<td>1540</td>
<td>1550</td>
</tr>
<tr>
<td>L17-L24</td>
<td>1740</td>
<td>1750</td>
</tr>
</tbody>
</table>

**Installation Dimensions (mm)**

### COP1050

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type

**Recommended Buttons**
- EB 410A
- EB 610

<table>
<thead>
<tr>
<th>Floors</th>
<th>L</th>
<th>L1</th>
</tr>
</thead>
<tbody>
<tr>
<td>L62-L98</td>
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</tr>
<tr>
<td>L69-L16</td>
<td>1220</td>
<td>1180</td>
</tr>
<tr>
<td>L17-L24</td>
<td>1400</td>
<td>1360</td>
</tr>
<tr>
<td>L25-L32</td>
<td>1560</td>
<td>1540</td>
</tr>
</tbody>
</table>

**Installation Dimensions (mm)**
COP1000A01

**Features**
- Material of panel: hairline stainless steel, flanging on left and right sides of the plate.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: "overload, fire control, full, stop, inspection, etc."
- Hall landing operation panel: simplex type or duplex type.

**Installation Dimensions (mm)**

**Recommended Buttons**

<table>
<thead>
<tr>
<th>Floors</th>
<th>COP1000A01</th>
<th>L1</th>
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</thead>
<tbody>
<tr>
<td>L02-L08</td>
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<td>L09-L16</td>
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<td>1180</td>
</tr>
<tr>
<td>L17-L24</td>
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<td>1360</td>
</tr>
<tr>
<td>L25-L32</td>
<td>1560</td>
<td>1540</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Call Model</th>
<th>Plate Dimension</th>
<th>Box Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH1000A01 Simplex</td>
<td>480×110</td>
<td>460×150×50</td>
</tr>
<tr>
<td>EH1000A01 Duplex</td>
<td>480×180</td>
<td>460×170×50</td>
</tr>
</tbody>
</table>

COP1000A02

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel, left and right sides of the plate made of black aluminum.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: "overload, fire control, full, stop, inspection, etc."
- Hall landing operation panel: simplex type or duplex type.

**Installation Dimensions (mm)**

**Recommended Buttons**

<table>
<thead>
<tr>
<th>Floors</th>
<th>COP1000A02</th>
<th>L1</th>
</tr>
</thead>
<tbody>
<tr>
<td>L02-L08</td>
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<td>1000</td>
</tr>
<tr>
<td>L09-L16</td>
<td>1200</td>
<td>1180</td>
</tr>
<tr>
<td>L17-L24</td>
<td>1380</td>
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<tr>
<td>L25-L32</td>
<td>1560</td>
<td>1540</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Call Model</th>
<th>Plate Dimension</th>
<th>Box Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH1000A02 Simplex</td>
<td>430×110</td>
<td>460×150×50</td>
</tr>
<tr>
<td>EH1000A02 Duplex</td>
<td>480×180</td>
<td>460×170×50</td>
</tr>
</tbody>
</table>
**COP1030**

**Features**
- Material of panel: mirror finished stainless steel, surface golden titanium plated.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type.

**Recommended Buttons**

**Installation Dimensions (mm)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Plate Dimension</th>
<th>Box Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH1030</td>
<td>450×170</td>
<td>450×130×50</td>
</tr>
<tr>
<td>EHD1030</td>
<td>450×180</td>
<td>450×170×50</td>
</tr>
</tbody>
</table>

---

**COPB01**

**Features**
- Material of panel: black plastic.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type.

**Recommended Buttons**

**Installation Dimensions (mm)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Plate Dimension</th>
<th>Box Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>EB200</td>
<td>440×110</td>
<td>413×90×50</td>
</tr>
<tr>
<td>EHB01</td>
<td>440×180</td>
<td>413×157×50</td>
</tr>
</tbody>
</table>
COP1000A03

Features
- Material of panel: Hairline stainless steel, mirror finished stainless steel, organigram glazing on the top
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type

Recommended Buttons

<table>
<thead>
<tr>
<th>Floors</th>
<th>EB 111</th>
<th>EB 210</th>
<th>EB 410A</th>
</tr>
</thead>
<tbody>
<tr>
<td>L02-L06</td>
<td>1030</td>
<td>1000</td>
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</tr>
<tr>
<td>L09-L16</td>
<td>1210</td>
<td>1180</td>
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</tr>
<tr>
<td>L17-L24</td>
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<tr>
<td>L25-L32</td>
<td>1570</td>
<td>1540</td>
<td></td>
</tr>
</tbody>
</table>

Cell Model | Plate Dimension/Box Dimension
- EH1000A03 Simplex: 440×110/413×150+50
- EH1000A03 Duplex: 440×168/413×153+50

COP1000A04

Features
- Material of panel: Hairline stainless steel, mirror finished stainless steel, pearl acrylic board using on the top
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type

Recommended Buttons

<table>
<thead>
<tr>
<th>Floors</th>
<th>EB 111</th>
<th>EB 210</th>
<th>EB 410A</th>
</tr>
</thead>
<tbody>
<tr>
<td>L02-L06</td>
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<tr>
<td>L09-L16</td>
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<tr>
<td>L17-L24</td>
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</tr>
<tr>
<td>L25-L32</td>
<td>1570</td>
<td>1540</td>
<td></td>
</tr>
</tbody>
</table>

Cell Model | Plate Dimension/Box Dimension
- EH1000A04 Simplex: 440×110/413×150+50
- EH1000A04 Duplex: 440×168/413×153+50
**COP1020A**

**Features**
- Material of panel: mirror finished stainless steel, rose gold, black titanium
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Hall landing operation panel: simplex type or duplex type

**Recommended Buttons**
- PB20
- EB510

<table>
<thead>
<tr>
<th>Floors</th>
<th>L02-08</th>
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<th>L17-24</th>
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<tr>
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<tr>
<td>L3</td>
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</tr>
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</table>

**Installation Dimensions (mm)**

**COP1060**

**Features**
- Material of panel: harline stainless steel, mirror finished stainless steel
- Type of input signal: Seven segment code, BCD code, serial communication
- Display in the car and hall: “overload, fire control, full, stop, inspection, etc.”
- Optional ultrathin hall call panel
- Applied for business office, limited to the elevator with 8-floor below only

**Recommended Buttons**
- EB111
- EB950

**Installation Dimensions (mm)**
COPB02

**Features**
- Material of panel: plastics in two different colors, stitched together.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: "overload, fire control, full, stop, inspection, etc."
- Hall landing operation panel: simplex type or duplex type.

**Recommended Buttons**
- EB 221

<table>
<thead>
<tr>
<th>Floors</th>
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<tbody>
<tr>
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<td>L25-L32</td>
<td>1652</td>
<td>1631</td>
</tr>
</tbody>
</table>

**Installation Dimensions (mm)**

COPB02

EHB02

COPQ1080

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel.
- Panel and column box connected with hinge, easy to repair.
- Column connected directly to the wainscot of the car, easy to install.
- Type of input signal: Seven segment code, BCD code, serial communication.
- Display in the car and hall: "overload, fire control, full, stop, inspection, etc."
- Hall landing operation panel: simplex type or duplex type.

**Recommended Buttons**
- EB 310
- EB 960

**Installation Dimensions (mm)**

COPQ1080
**COP & LOP**

**EH2980A**

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel
- Panel and column connected with buckle, easy to install
- Hall Call pillar can be made into escalator column, single button, double buttons, single button with key, direction indicator

**Recommended Buttons**
- EB310
- EB990

**Installation Dimensions (mm)**

**EH2980B**

**Features**
- Material of panel: hairline stainless steel, mirror finished stainless steel
- Panel and column connected with buckle, easy to install
- Hall Call pillar can be made into escalator column, single button, double buttons, single button with key, direction indicator

**Recommended Buttons**
- EB310
- EB990
AL Lantern Series

**Features**
- Faceplate material of hairline stainless steel, mirror finished stainless steel etc.
- Connection of faceplate with box by clip sets, easy to install
- Lantern shape and lighting colors selectable (red, green, orange, blue)
- Lantern model and ring tune can be chosen to meet the needs of clients

**Lighting colors selectable**
- Ruby-red
- Fashion-orange
- Jade-green
- Ocean-blue

**Installation Dimensions (mm)**

```
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<thead>
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<th>AL240</th>
<th>AL240</th>
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<tbody>
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<tr>
<td>Height: 110</td>
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<tr>
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<td>Depth: 16</td>
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```
<table>
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<tr>
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<tbody>
<tr>
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<tr>
<td>Height: 270</td>
<td>Height: 270</td>
</tr>
</tbody>
</table>
```

```
<table>
<thead>
<tr>
<th>AL230</th>
<th>AL230</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 280</td>
<td>Width: 280</td>
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<tr>
<td>Height: 270</td>
<td>Height: 270</td>
</tr>
<tr>
<td>Depth: 20</td>
<td>Depth: 18</td>
</tr>
</tbody>
</table>
```
Arrival Lantern

AL Lantern Series

Features

- Faceplate material of hairline stainless steel, mirror finished stainless steel etc.
- Connection of faceplate with box by clip sets, easy to install
- Lantern shape and lighting colors selectable (red, green, orange, blue)
- Lantern model and ring tune can be chosen to meet the needs of clients

Installation Dimensions (mm)

Lighting colors selectable

- ruby-red
- fashion orange
- jade-green
- ocean-blue

AL130

AL110

AL120

AL140

AL150
### List of optional buttons on COP & LOP

| COP120 | EHD120  | COP211 | EHD211  | COP221 | EHD221  | COP410 | EHD130  | COP810 | EHD810  | COP900A01 | EHD920  | COP1000A01 | EHD1000A01 | COP1000A02 | EHD1000A02 | COP1010 | EHD1010  | COP1020 | EHD1020  | COP1030 | EHD1030  | COPB01 | EHB01 | EHD801  |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|-----------|------------|------------|------------|---------|---------|--------|---------|--------|---------|--------|---------|--------|----------|
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |
| ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓       | ✓         | ✓       | ✓         | ✓          | ✓          | ✓          | ✓       | ✓       | ✓      | ✓       | ✓      | ✓       | ✓      | ✓        | ✓      | ✓        |