

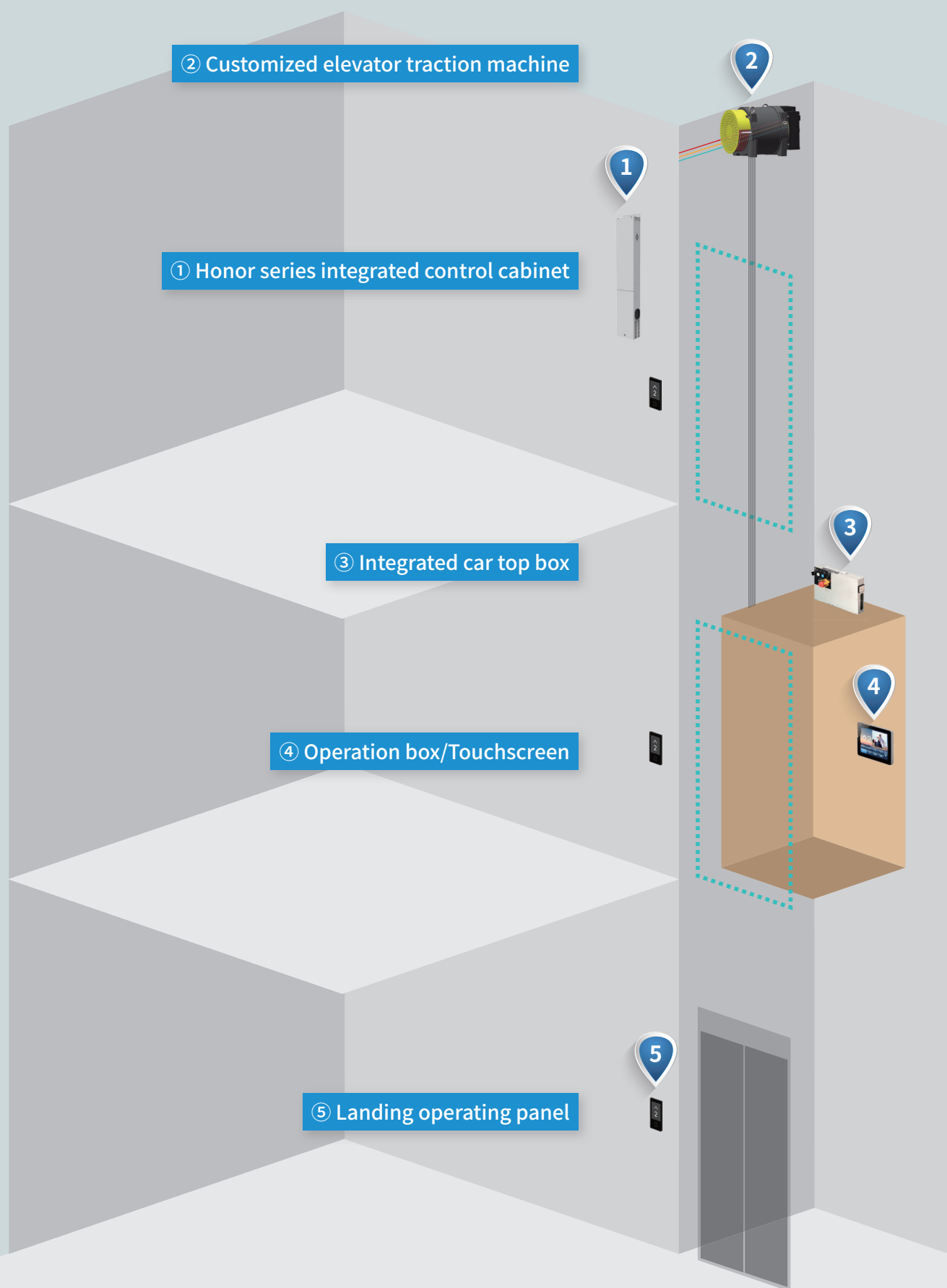
Monarch Home Elevator Overhall Solution



In compliance with
IS17900 and EN81-20/50



Advancing industrial technology, for a better world



Honor Series Integrated Control Cabinet

Honor Series Control Cabinet



Features

- **Delicate**
Ultra-thin design and two use modes
Hidden installation for refined exterior
- **Quiet**
TUV-certified SIL3 contactorless technology
Quiet running with noise lower than 45 db
- **Comfortable**
Excellent home elevator drive technology
Riding comfort greatly improved
- **Safe**
Multiple anti-trap functions for reliable and safe running

Two Use Modes

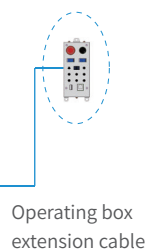
Installation inside and outside the shaft



Integrated:
Built-in operating box



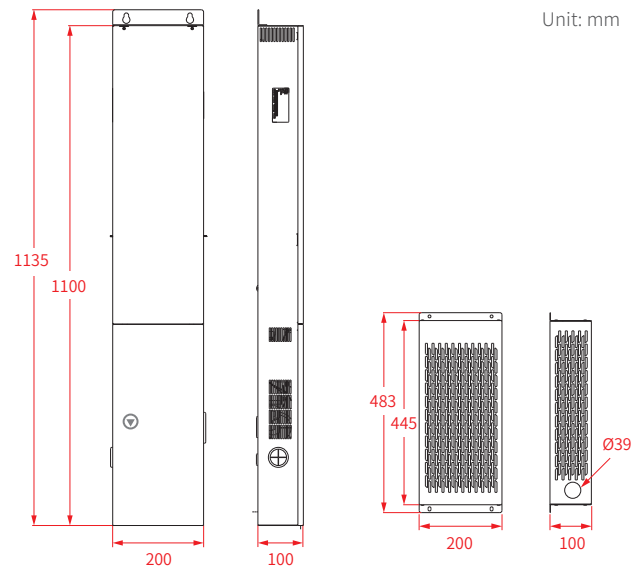
Separated:
External operating box



Operating box
extension cable

Dimensions

Unit: mm



Technical Data

Control Cabinet Model	Rated Voltage	Rated Power	Rated Current
NICE9000V-4013-P	380 VAC	5.5 kW	13 A
NICE9000V-2016-P	220 VAC	3.7 kW	16 A

Note: Operating box extension cable length: 3 m; model: MCTC-KHL-0030

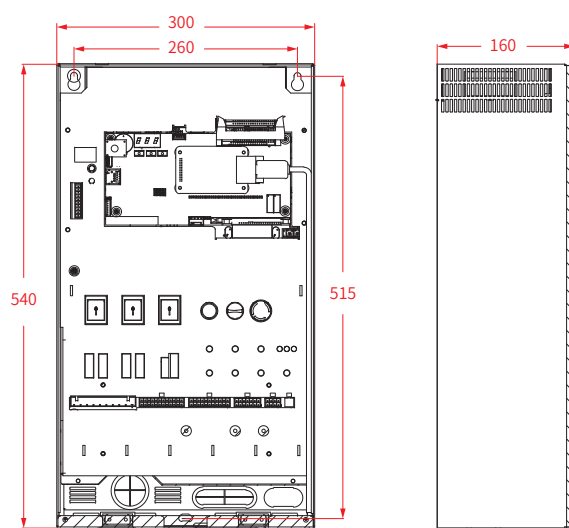
Mini Control Cabinet



Features

- Highly integrated design, 30% in size of the traditional control cabinet. Delicately shaped for flexible installation in various scenarios.
- TUV-certified SIL3 contactorless technology. Control cabinet noise < 40 db.
- High-performance driving platform and innovative algorithms. Riding comfort greatly improved at startup and during running of the elevator.
- “5S” design: Small, Silent, Saved, Safe, and Smart. Multiple safety features: smart auto-rescue, auto-rescue at power off, one-key rescue, etc.

Dimensions



Unit: mm

Technical Data

Control Cabinet Model	Rated Voltage	Rated Power	Rated Current
NICE9000-V-2010-W	220 VAC	1.1 kW	10 A

Honor Series Integrated Control Cabinet

MINI S Control Cabinet



Features

- Ultra-thin design, small size, and multiple combined installation solutions for refined elevator exterior in various installation scenarios
- TUV-certified SIL3 contactorless technology Quiet running with noise lower than 45 db
- Excellent home elevator drive technology Riding comfort greatly improved
- Multiple anti-trap functions for reliable and safe running

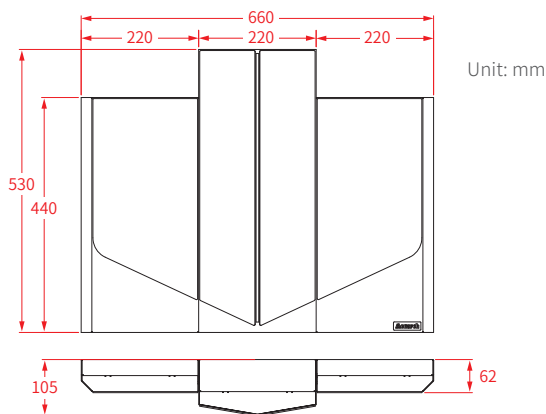
Naming Rule

NICE 9000 V - 40 13 S - P - I

① ② ③ ④ ⑤ ⑥ ⑦

① Product Series: NICE9000 series	③ Voltage Class: 40: Three-phase 380 VAC 20: Single-phase 220 VAC	⑤ Control Cabinet Panel Material: L: Brushed aluminium alloy panel S: Coated acrylic panel	⑦ IoT Function: None: N/A I: Available
② Controller Type: V: For villa elevators	④ Rated Current: 13: 13 A 16: 16 A	⑥ ARD Function: P: Available	

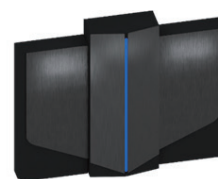
Dimensions



Dimensions of the Integrated control cabinet

The braking resistor of the MINI S control cabinet needs to be ordered separately:

Code	Braking Resistor Model	Applicable Control Cabinet
04030334	MCTC-DBR4005-2M	NICE9000V-4013L/S-P series
04030335	MCTC-DBR2002-2M	NICE9000V-2016L/S-P series



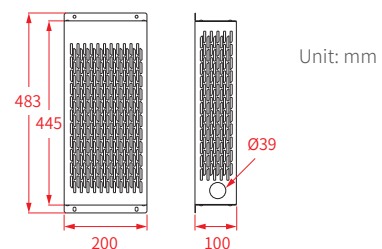
Integrated installation



Separated installation

Two installation modes

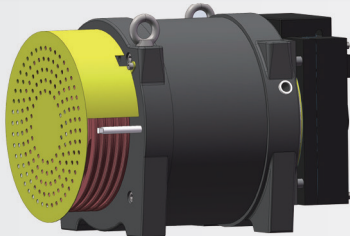
Integrated installation is used by default. For separated installation, two extension cables (length: 1.5 m) need to be purchased.



Braking resistor box

Accessory Solution - Traction Machine

Customized elevator traction machine



Features

- Exact match for the elevator
- Auto-tuning-free and commissioning-free

Naming Rule

IVM 400 - 200 - 4 A

① ② ③ ④

① Load: 320: 320 kg 400: 400 kg 450: 450 kg	② Traction Sheave Diameter: 200: 200 mm 240: 240 mm	③ Rope Groove Amount: 3: 3 4: 4	④ Encoder Line Length: A: 10 m B: 2 m
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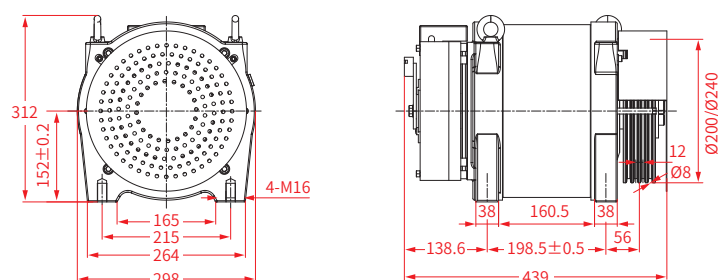
Technical Data

Model	Elevator Parameters			Traction Sheave Specifications				
	Load (kg)	Speed (m/s)	Recommended Height (m)	Torque (N·m)	Traction Sheave Diameter (mm)	Steel Rope Diameter (mm)	Groove Amount	Pitch of Grooves
IVM320-200-4	320	0.40	≤ 25	105	200	8	4	12
IVM400-200-4	400			134				
IVM450-200-4	450			152				
IVM320-240-4	320			128	240			
IVM400-240-4	400			160				
IVM450-240-4	450			180				

Model	Motor Parameters							Brake Parameters							
	Power (kW)	Rated Voltage (V)	Rated Current (A)	Rated Frequency (Hz)	Rated Speed (rpm)	Number of Pole Pairs	Maximum static axial load	Rated Voltage (V)	Rated Current (A)	Braking Torque (N·m)					
IVM320-200-4	0.85	220/380	5.20	15.20	76	12	2500 kg	DC 110V	2×1.0	2×250					
IVM400-200-4	1.1		6.20												
IVM450-200-4	1.2		7.20												
IVM320-240-4	0.85		6.20	12.80	64										
IVM400-240-4	1.1		7.50												
IVM450-240-4	1.2		9.00												

Note: The other data of three-groove traction machine is the same as that of the four-groove traction machine with the same load and traction sheave diameters. The data of the AC 220 motors is the same as that of the AC380 motors.

Dimensions



Unit: mm

Accessory Solution - Car Top Box

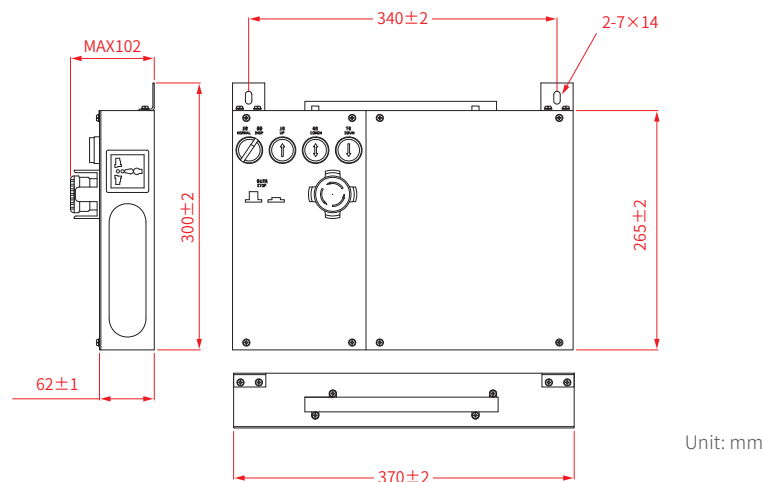
MCTC-CTW-A9



Features

- Small size, ultra-thin, more suitable for home elevators
- Available for both power operated doors and manually operated doors

Dimensions



Advantages

- **Small size**
Small size and 60 mm thin box, more suitable in limited car top spaces for home elevators
- **Multifunctional safety lighting**
Safety voltage lighting used for car top lighting
Separate safety lighting in car operating area
- **Manually operated door as standard function**
Standard function: manually operated door control
Standard configuration: intermediate relay suitable for different power devices of manually operated doors

Accessory Solution - Operation Box

COP-R/R01



COP-R



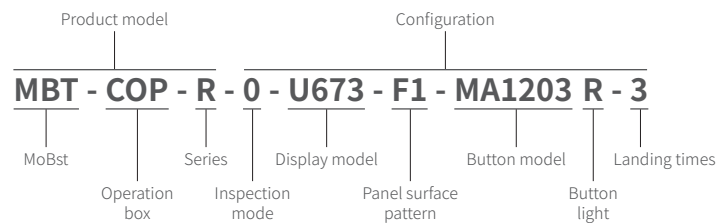
COP-R01

Features

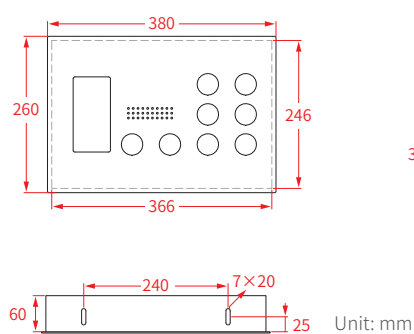
- Stainless steel panel
- Pattern: Hairline, mirror, titanium mirror, titanium hairline, etc.
- Lock inspection
- Circlip fixing

Overall Solution

Naming Rule



Dimensions



Button Model



MA1203



MA1204



MA1001



MA1002

Technical Data

Inspection Mode	Display Model	Panel Surface Pattern	Button Model	Button Light
0: No inspection	Dot matrix: MCTC-HCB-R600 Segment: MCTC-HCB-D630 Segment LCD: MCTC-HCB-U673 TFT LCD: MCTC-HCB-T1	F1: Hairline J1: Mirror TJ1: Titanium mirror TF1: Titanium hairline TJ2: Titanium black mirror	MA1203 MA1204 (with Braille) MA1001 MA1002 (with Braille)	R: Red G: Green O: Orange B: Blue Y: Yellow W: White

Accessory Solution - Operation Box

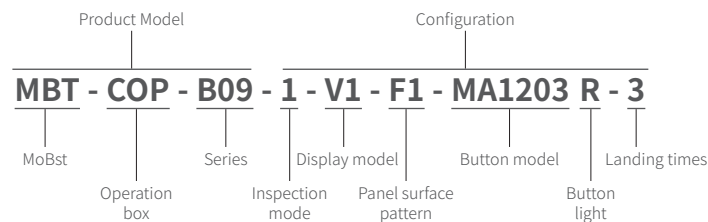
COP-B09



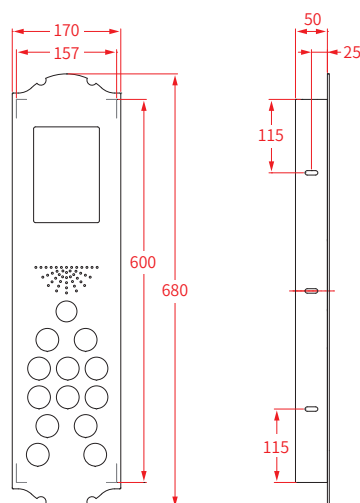
Features

- Stainless steel panel
- Pattern: Hairline, mirror, titanium mirror, titanium hairline, etc.
- Lock inspection
- Circlip fixing

Naming Rule



Dimensions



Unit: mm

Button Model



MA1203



MA1204



MA1001



MA1002

Technical Data

Inspection Mode	Display Model	Panel Surface Pattern	Button Model	Button Light
Lock inspection	Dot matrix: MCTC-HCB-R600	F1: Hairline	MA1203	R: Red G: Green O: Orange B: Blue Y: Yellow W: White
	Segment LCD: MCTC-HCB-V1/V2	J1: Mirror	MA1204 (with Braille)	
	MCTC-HCB-U673	TJ1: Titanium mirror	MA1001	
	TFT LCD: MCTC-HCB-T647 (portrait screen)	TF1: Titanium hairline TJ2: Titanium black mirror	MA1002 (with Braille)	

Ultra-thin Operation Box - LCD Series

MCTC-DCB-COP-B1



(Black tempered glass)

MCTC-DCB-COP-B2



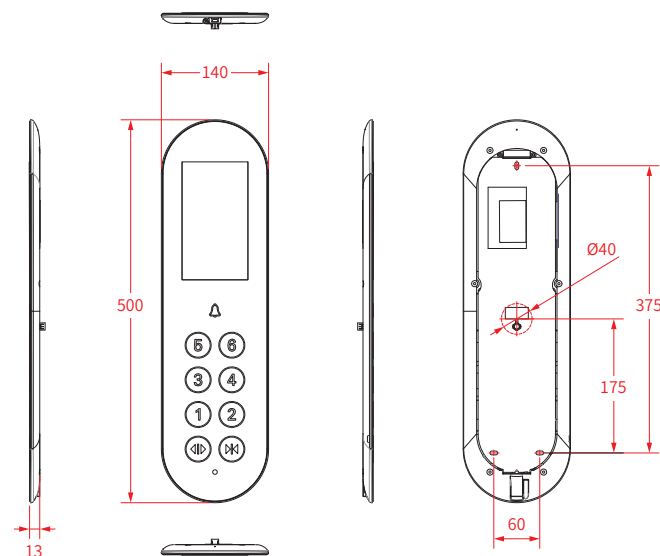
(White tempered glass)

Features

- Zinc alloy frame, die-casting molding
- 7-inch LCD
- User logo and figure loading
- Tempered glass panel
- Infrared buttons, outer circle and character turned blue upon response
- Wall-mounted without box
- Built-in emergency lighting
- Optional one-key calling function (phone line or 4G solution)

Dimensions

MCTC-DCB-COP-B series



Unit: mm

Touch Screen

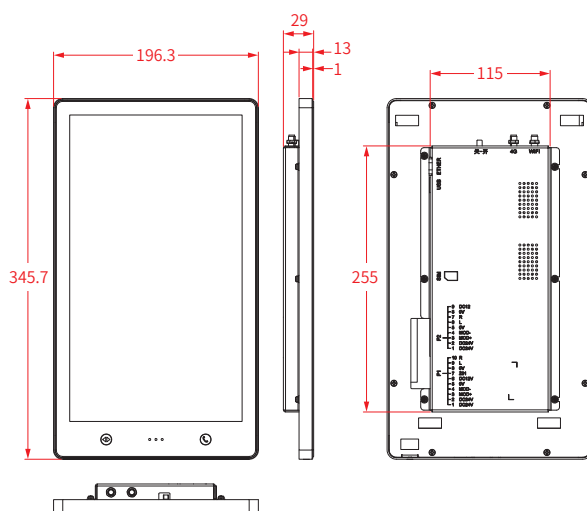
BVT13301 series



Features

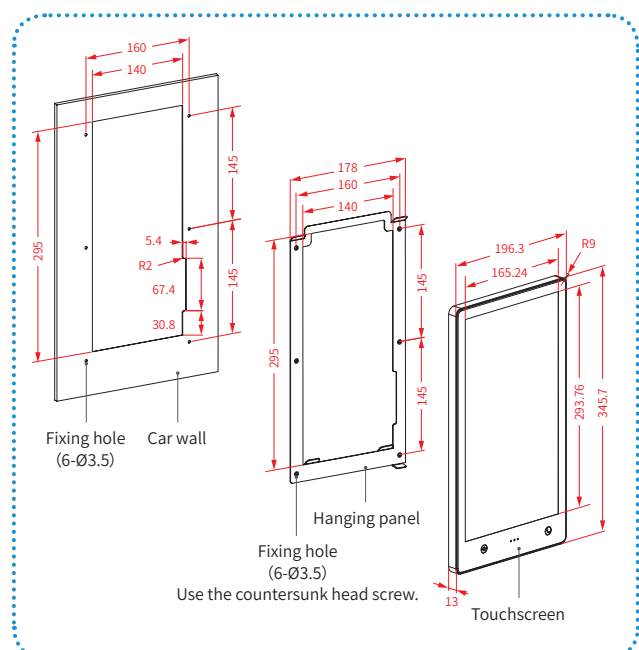
- 13-inch touchscreen
- Surface mounting, 345 mm × 196 mm × 13 mm
- Weather report, date and time display
- Bilingual display (Chinese and English)
- Voice announcement
- Figure, audio, and video display
- Nameplate and logo display
- Integrated emergency lighting
- One-key calling for rescue
- Physical door open button as standard configuration
- Wi-Fi (standard) / 4G (optional) IoT solution
- BVT13301-P01 4G+WIFI / BVT13301-P02 WIFI
- Supports a maximum of six floors

Dimensions



Unit: mm

Installation Guidance



Touch Screen

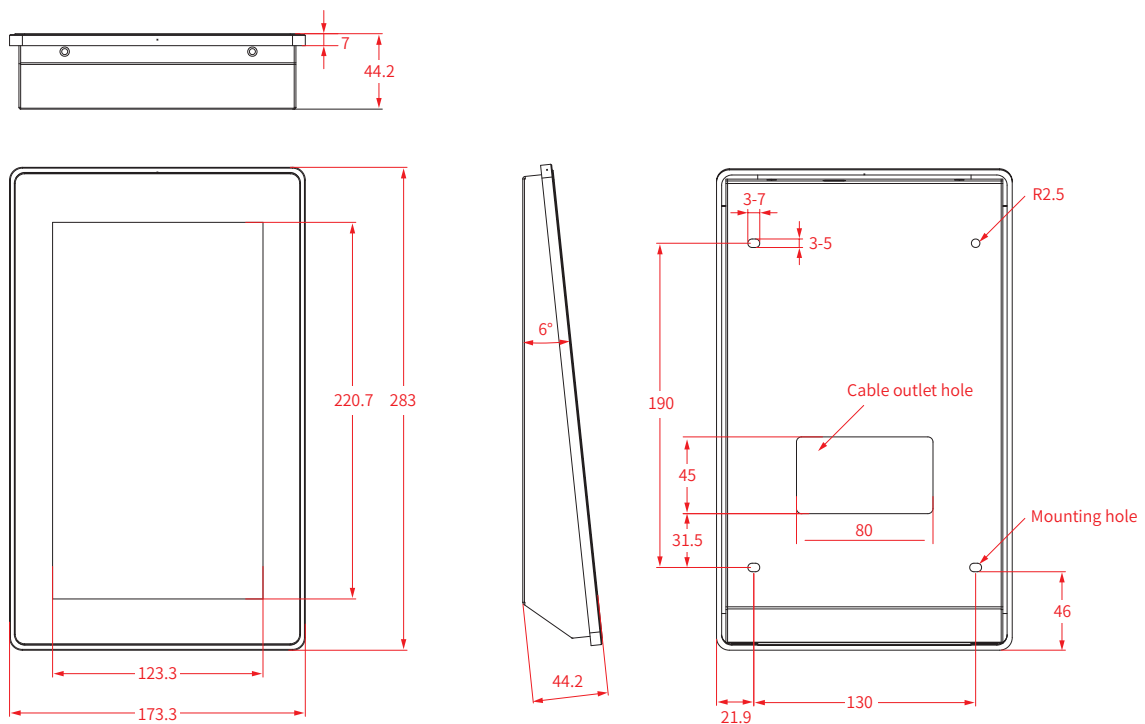
BVT10104



Features

- 10.1-inch touchscreen (portrait screen)
- Wall-mounted
- Figure display and replacing
- Load / Capacity settings
- Lighting and fan control
- LOGO display
- Time / date / week display
- Bilingual display (Chinese and English)
- Supports a maximum of six floors

Dimensions



Unit: mm

BVT10103

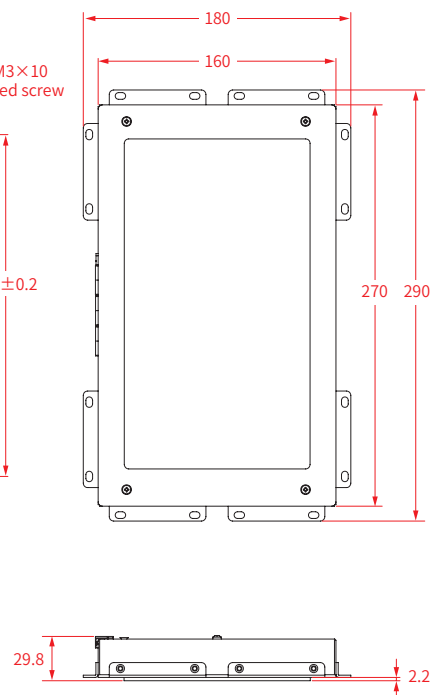
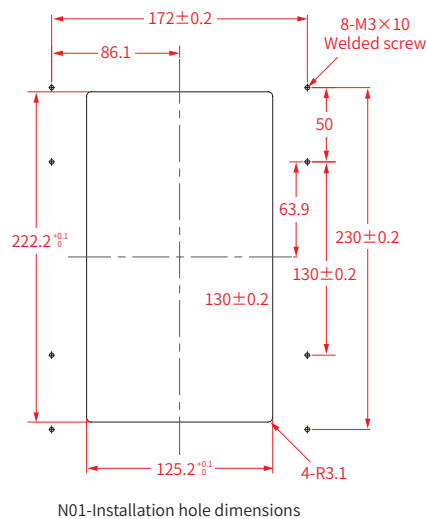
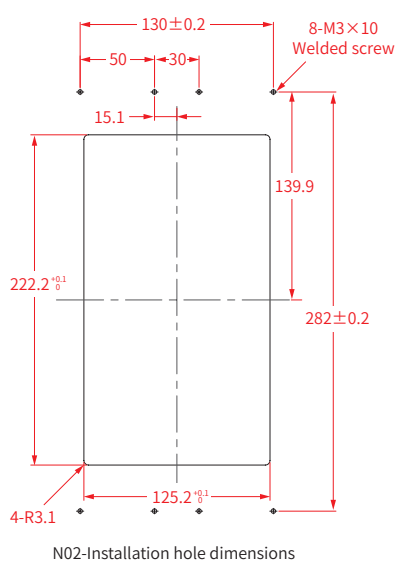


Features

- 10.1-inch touchscreen (portrait screen)
- Through hole mounting
- Figure display and replacing
- Load / Capacity settings
- Lighting and fan control
- LOGO display
- Time / date / week display
- Bilingual display (Chinese and English)
- Supports a maximum of six floors

Overall Solution

Dimensions



Unit: mm

Accessory Solution - Landing Operating Panel

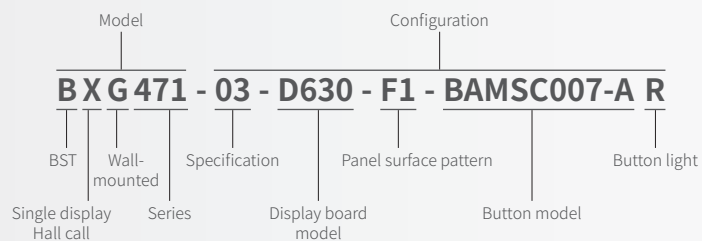
BXG471



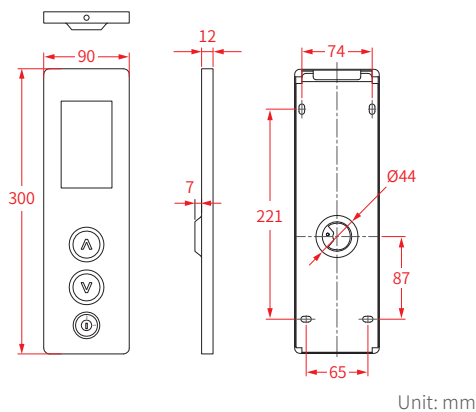
Features

- Stainless steel, drawing forming
- Panel pattern: Hairline, titanium hairline, etc.
- Fixed by cross recessed countersunk head screws

Naming Rule



Dimensions



Button Model



BAMSC007-A
Flat character
without Braille



BAMSC007-B
Flat character
with Braille



BAMSC007-C
Raised character
with Braille



MA2K01
Flat character
without Braille



MA2K02
Flat character
with Braille



MA2K03
Raised character
with Braille

Technical Data

Specification	Definition & Abbreviation	Display Model	Panel Surface Pattern	Button Model	Button Light	
01	Single UP button for bottom floor (-B)	Segment: MCTC-HCB-D630	F1: Hairline TF1: Titanium hairline	BAMSC007-A	R: Red	
02	Single UP button with lock for bottom floor (-BS)			BAMSC007-B	G: Green	
03	Double buttons for intermediate floors (-M)	Segment LCD: MCTC-HCB-U673		BAMSC007-C	O: Orange	
04	Double buttons with lock for intermediate floors (-MS)			MA2K01	B: Blue	
05	Single DOWN button for top floor (-T)			MA2K02	Y: Yellow	
06	Single DOWN button with lock for top floor (-TS)			MA2K03	W: White	

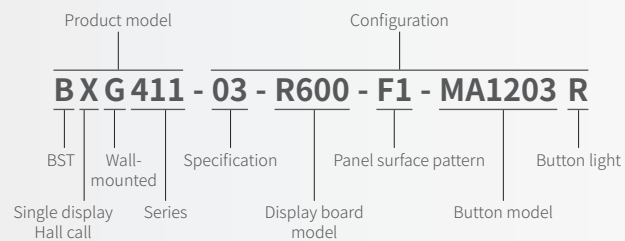
BXG411



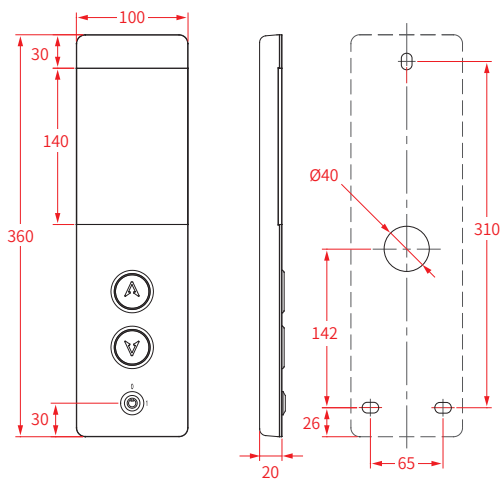
Features

- Panel: Stainless steel + tempered glass
- Fixed by hexagon socket head cap screws

Naming Rule



Dimensions



Unit: mm

Button Model

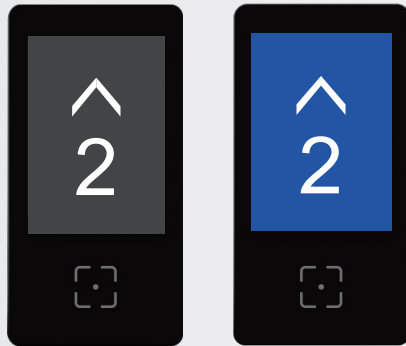


Technical Data

Specification	Definition & Abbreviation	Display Model	Panel Surface Pattern	Button Model	Button Light
01	Single UP button for bottom floor (-B)	Dot matrix:	F1: Hairline	MA1707	R: Red
02	Single UP button with lock for bottom floor (-BS/-BSS)	MCTC-HCB-R600	J1: Mirror	MA1708 (with Braille)	G: Green
03	Double buttons for intermediate floors (-M)	Segment:	TJ1: Titanium mirror	MA1001	O: Orange
04	Double buttons with lock for intermediate floors (-MS/-MSS)	MCTC-HCB-D630	TF1: Titanium hairline	MA1002 (with Braille)	B: Blue
05	Single DOWN button for top floor (-T)	MCTC-HCB-U673		MA1203	Y: Yellow
06	Single DOWN button with lock for top floor (-TS/-TSS)			MA1204 (with Braille)	W: White
				BAS241	
				BAS242 (with Braille)	
				MA2K03 (with Braille)	

Accessory Solution - Landing Operating Panel

MCTC-DCB-04TA



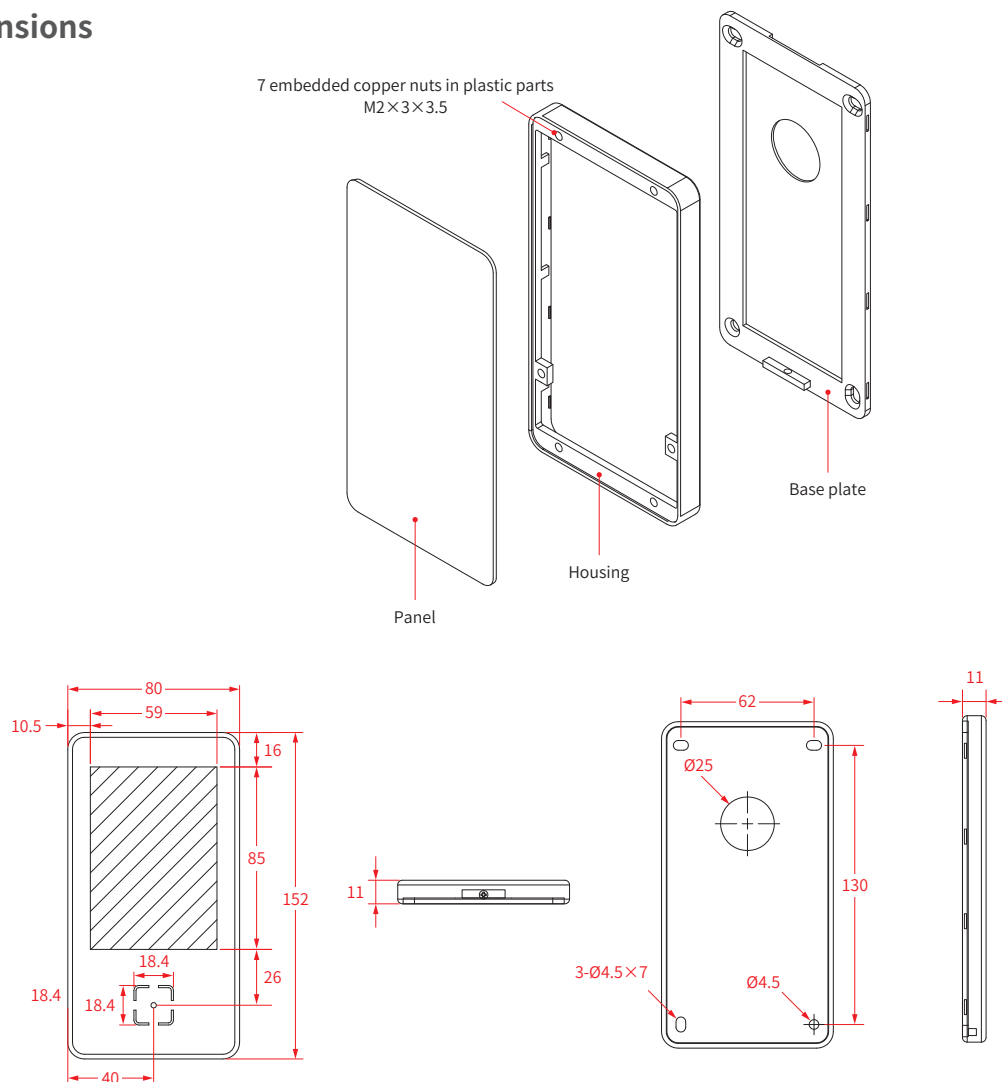
Features

- Externally mounted 4.2-inch TFT display
- Touch-type elevator call, buttons illuminated upon touch
- Real-time display of elevator status, running direction, and landing information
- White characters on blue or black background (set by DIP switch)

Rated voltage: 24 VDC; Rated current: 160 mA

Note: Only used in applications without RoHS requirements

Dimensions



BXG752

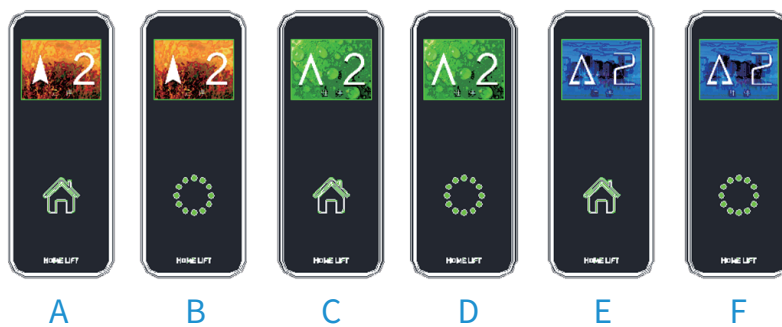


Features

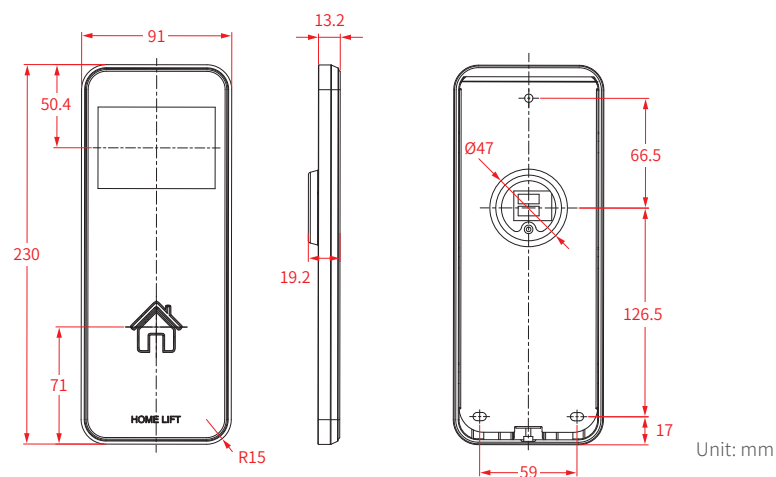
- Tempered glass panel
- 3.5-inch TFT display
- Integrated touch buttons
- Multiple arrow and button styles
- Ultra-thin and wall-mounted

Naming Rule

BXG752-X (X indicates A, B, C, D, E, and F from left to right below.)



Dimensions



Accessory Solution - Landing Operating Panel

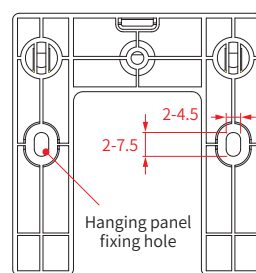
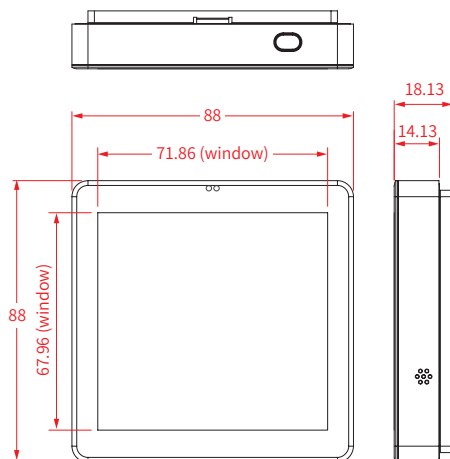
MBT-HOP-AR



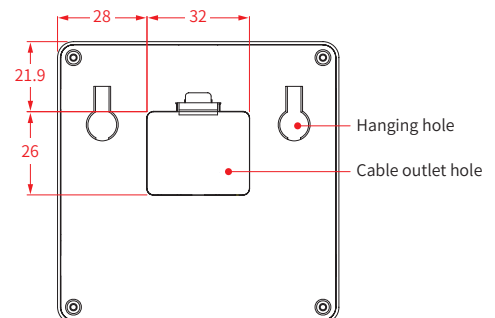
Features

- 4-inch TFT touchscreen used as the landing operating panel
- Multiple image themes
- Prompt tone upon touch
- Wall-mounted

Dimensions



MBT-HOP-AR hanging panel



Rear view of MBT-HOP-AR
(without hanging panel)

Unit: mm

BZGBM001



Features

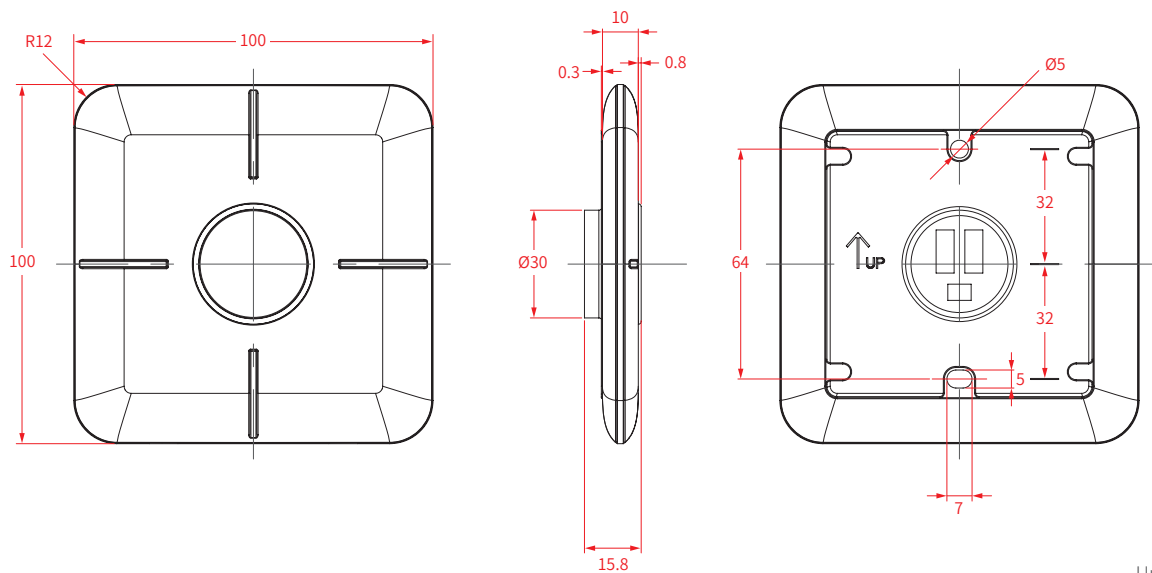
- Ultra-thin no-display landing operating panel
- Wall-mounted
- Dimensions: 100 mm × 100 mm × 10 mm

Inching button with blue light

White plastic structure

Overall Solution

Dimensions



Unit: mm

Accessory Solution - Landing Operating Panel

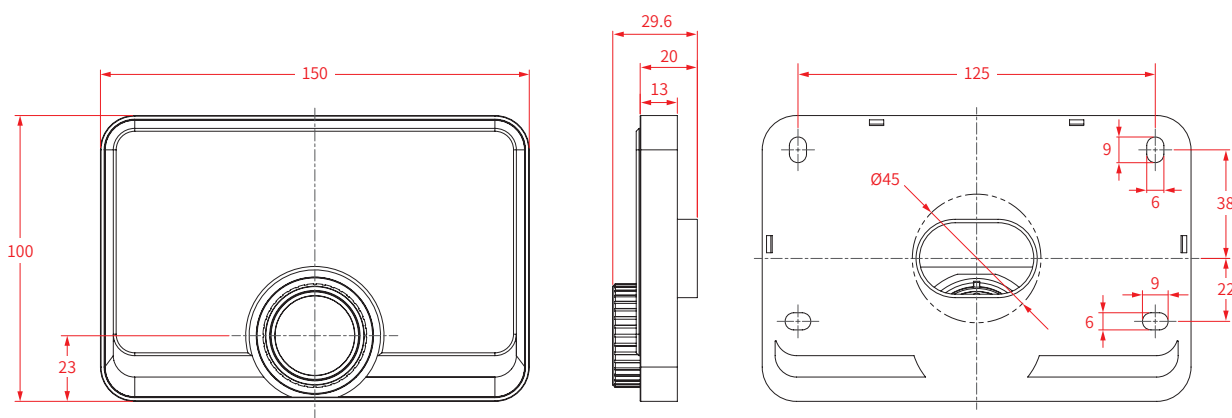
BXGBM001



Features

- Ultra-thin wall-mounted landing operating panel
- Dimensions: 150 mm × 100 mm × 15 mm
- White segment display
- Glass panel
- Inching button (not knob)

Dimensions



Unit: mm

BXGBS003

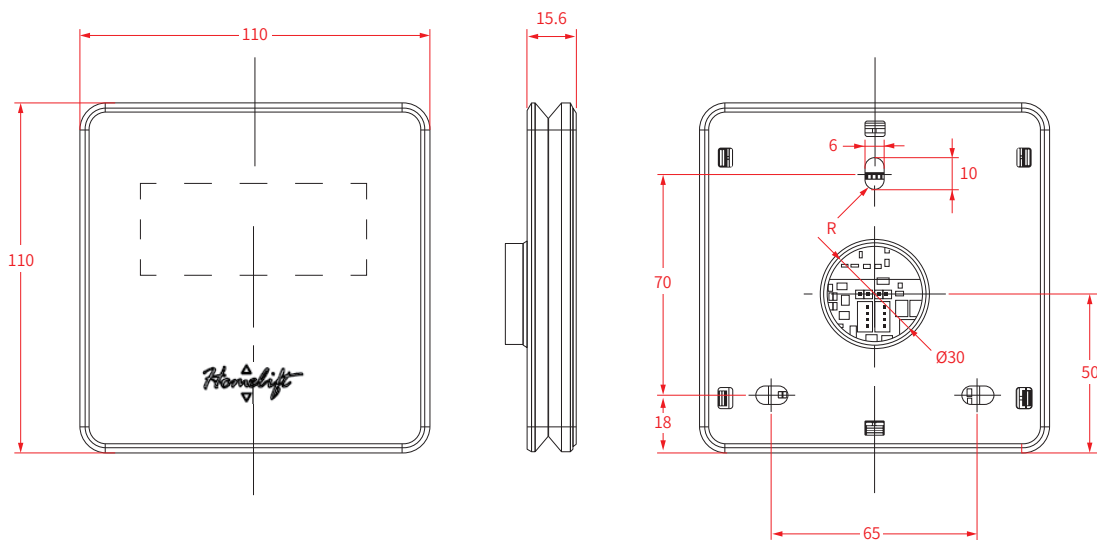


Features

- Ultra-thin wall-mounted landing operating panel
- Dimensions: 110 mm × 110 mm × 15.5 mm
- White segment display
- Glass panel
- Touch button

Overall Solution

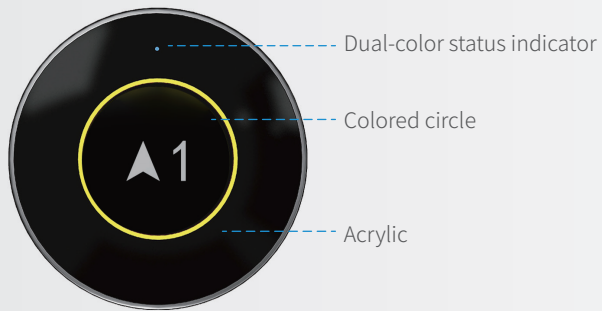
Dimensions



Unit: mm

Accessory Solution - Landing Operating Panel

MCTC-DCB-B Series



Features

- Ultra-thin radian
- Zinc alloy + Acrylic, tactile and fashionable
- Wall-mounted with snap-fit joint
- Dual-color status indicator (blue for normal and red for faulty)
- Tactile big button
- Colored circle (yellow/blue) decorated on the button
- Floor and direction displayed on high-resolution OLED

Button Model

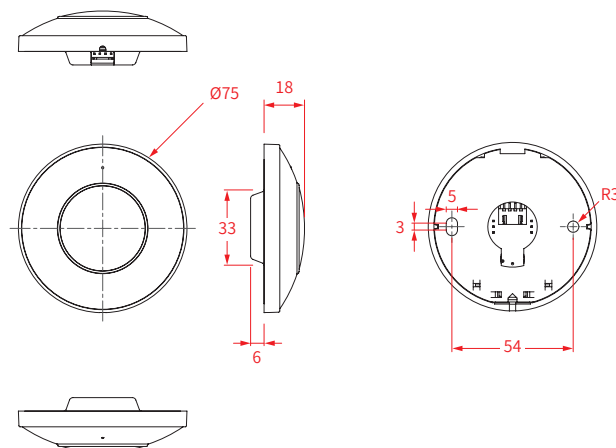


MCTC-DCB-B11 (blue circle)



MCTC-DCB-B22 (yellow circle)

Dimensions



Unit: mm

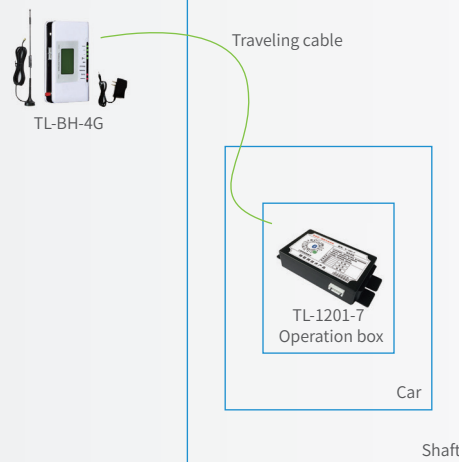
One-Key Rescue Calling Solution

Solution 1



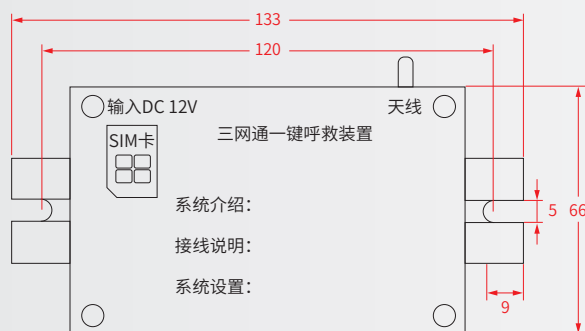
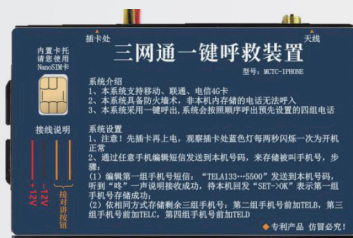
Features

- Make a call with a 4G SIM card.
- Supports full Netcom.
- A 220 VAC power supply is required for connecting the TL-BH-4G.
- Stores the called numbers to the TL-1201-7 via Bluetooth.
- Standard models can be used in China only.



Solution 2

MCTC-IPHONE

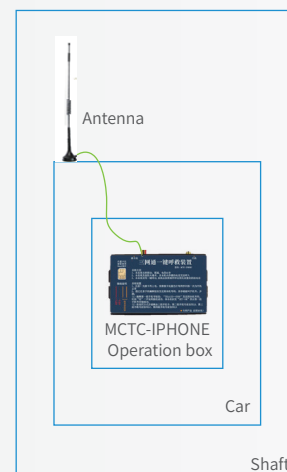


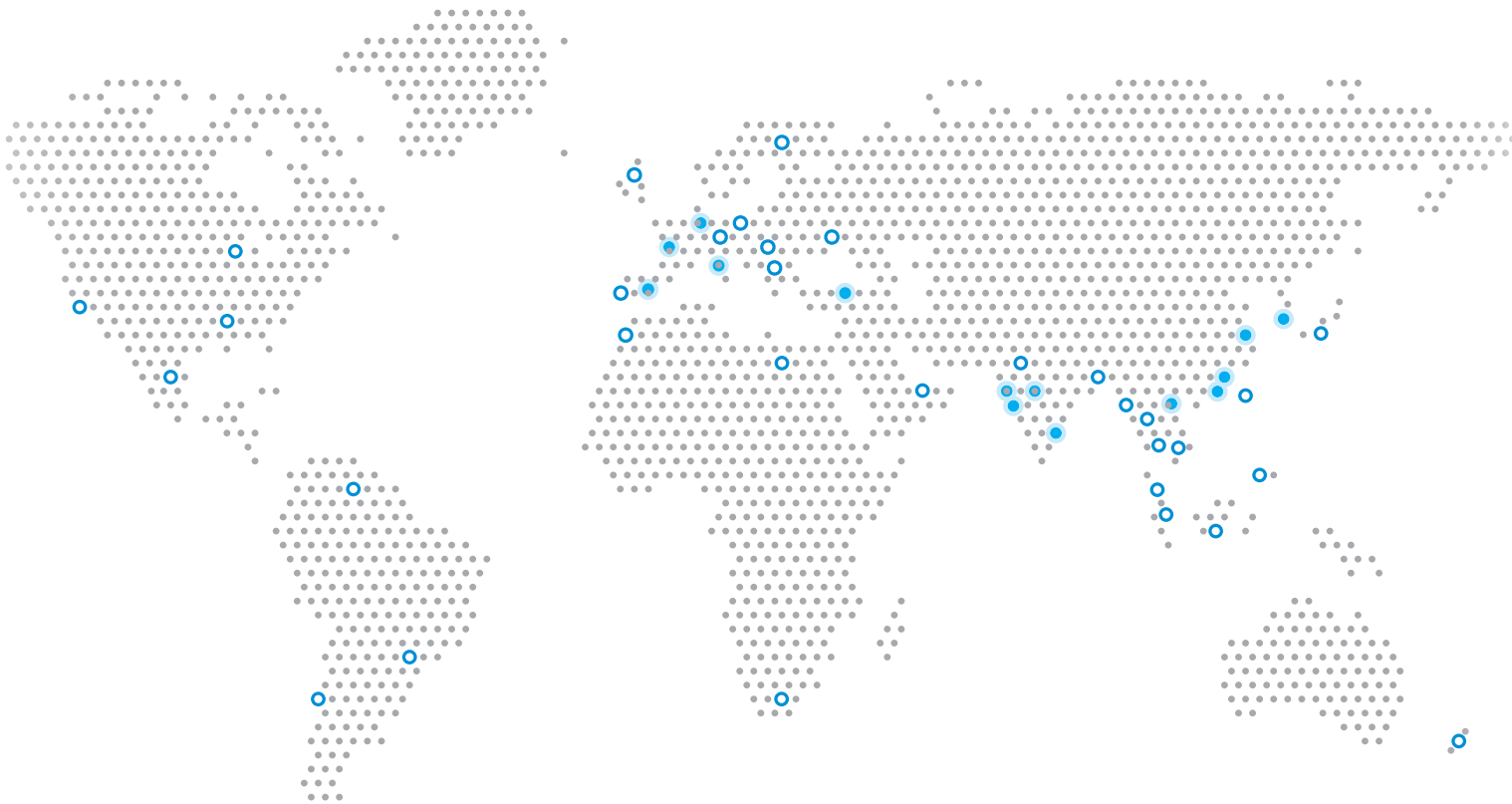
Thickness: 28

Unit: mm

Features

- Supports 4G full Netcom card.
- Installed in the COP (similar in dimensions to the auxiliary car intercom), with the antenna (3 m) on the car top.
- Stores four groups of called numbers via SMS.
- Standard models can be used in China only. Customization is required for products to be used in other regions.





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