Main Catalogue

Elevator Control Solutions





Ultimatrue Engineering Industries is a world-class provider of end-to-end Electronic and Electrical control products, manufacturing: Elevator Control solutions, Industrial Digital Monitoring Systems (IDMS), Custom Built Solutions, Monitoring and Command software, and Low-Voltage Switchgears.

The company strives towards successful development through the strategic allocation of its resources, design, and technology to ensure the delivery of cost-effective products, provided the ultimate quality and scalability.

The philosophy conducted at Ultimatrue is at best customer-centered. Empowered by a dedicated Research and Development division, alongside specialized after-sales services, Ultimatrue invests heavily to generate a competent workforce that address diversified customer needs through ownership, confidence, and integrity.

Ultimatrue is continuously expanding its presence in various markets around the globe through innovative product line extension, distribution network growth, as well as providing additional production facilities, promptly meeting clientele demands.

Ultimatrue Elevator Control solutions comply with the European safety standards  $\,$  EN 81-20 & EN 81-50.

Ultimatrue Engineering Industries is a certified ISO 9001:2015 and ISO 45001:2018 company since 2008.









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# **Simplex Elevator Control Boards**



**XC-8** 

Number of stops: Up to 8 stops Supplying voltage: 12V AC

Door type: Manual, semi-automatic, and full-automatic System type: One-speed, two-speed, and hydraulic

**Drive type:** Contactors and inverters

Display: Serial, binary, 7-segment, and floor wire

Call collection: Down Collective, simple collective, and single call



XC-8XP

Number of stops: Up to 8 stops expandable to 16 by extension board

Supplying voltage: 12V AC

Door type: Manual, semi-automatic, and full-automatic System type: One-speed, two-speed, and hydraulic

**Drive type:** Contactors and inverters

Display: Serial, binary, 7-segment, and floor wire

Call collection: Down collective, simple collective, single call



**XC-12** 

Number of stops: Up to 12 stops Supplying voltage: 12V AC

Door type: Manual, semi-automatic, and full-automatic

System type: One-speed and two-speed Drive type: Contactors and inverters

Display: Serial, binary, 7-segment, and floor wire

Call collection: Down collective, simple collective, and single call



XC-12XP

Number of stops: Up to 12 stops expandable to 28 by extension board

Supplying voltage: 12V AC

Door type: Manual, semi-automatic, and full-automatic

System type: One-speed and two-speed Drive type: Contactors and inverters

Display: Serial, binary, 7-segment, and floor wire

Call collection: Down collective, simple collective, and single call



Number of stops: Up to 16 stops Supplying voltage: 12V AC

Door type: Manual, semi-automatic, and full-automatic System type: One-speed, two-speed, and hydraulic

**Drive type:** Contactors and inverters

Display: Serial, binary, 7-segment, and floor wire

Call collection: Down collective, simple collective, and single call

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Number of stops: Up to 28 stops Supplying voltage: 12V AC

Door type: Manual, semi-automatic, and full-automatic

System type: One-speed and two-speed Drive type: Contactors and inverters

Display: Serial, binary, 7-segment, and floor wire

Call collection: Down collective, simple collective, and single call



XCHV-8XP

Number of stops: Up to 8 stops expandable to 16 stops by extension board

Supplying voltage: 24V AC

Door type: Manual, semi-automatic, and full-automatic System type: One-speed, two-speed, and hydraulic

**Drive type:** Contactors and inverters

Display: Serial, binary, 7-segment, and floor wire

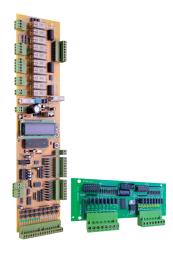
Call collection: Down collective, simple collective, and single call

Model	XC-8	XC-8XP	XC-12	XC-12XP	XC-16	XC-28	XCHV-8XP
Phase sequence detection	√	√	-	-	√	-	√
Motor direction correction	√	√	√	V	<b>V</b>	√	√
VIP (Car priority)	√	√	-	-	<b>V</b>	-	√
Parking	√	√	√	V	√	√	√
Lock error	√	√	$\sqrt{}$	√	√	√	√
MTR (Motor overload safe stop)	√	$\sqrt{}$	$\sqrt{}$	√	√	√	√
Safe fast time event	√	$\sqrt{}$	$\sqrt{}$	√	√	√	√
Safety redundancy	√	$\sqrt{}$	$\sqrt{}$	√	√	√	√
Timeout protection	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Fire	√		$\sqrt{}$	√	√	√	√
Over weight (OW)	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Full weight (FW)	√	√	$\sqrt{}$	$\sqrt{}$	√	√	√
Display outputs	√	$\sqrt{}$	$\sqrt{}$		√	√	√
Arrow outputs	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	√	√	$\sqrt{}$
Gong outputs	√	√	$\sqrt{}$	$\sqrt{}$	√	√	√
Restore selector	√	$\sqrt{}$	$\sqrt{}$	√	√	√	√
Inspection control	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	√	√	$\sqrt{}$
Cam trial	√	√	$\sqrt{}$	√	√	√	√
Active floor	√	√	√	√	√	√	√
Key code	√	√	√	√	√	√	√

- · Compatibility with all motors and control types.
- Easy monitoring of the elevator status.
- · Reliance on performance-based practical design.
- Simplified user-friendly interface.
- Programming buttons facilitate the movement of the elevator car in inspection mode.
- Possibility of combining the serial indicator and any other indicator, whether 7-segment, binary, or floor wire.

# **Gearless Elevator Control Boards**





Model	XC-8GL/2S	XC-8GL/3S	XC-16GL/2S	XC-16GL/3S
Number of stops	8	8	16	16
Elevator car speed	Up to 1 m/sec	Up to 1.6 m/sec	Up to 1 m/sec	Up to 1.6 m/sec
Phase failure	√	√	√	√
Emergency rescue mode	√	√	√	√
VIP (Car priority)	√	√	√	√
Parking	√	√	√	√
Lock error	√	√	√	$\sqrt{}$
MTR (Motor overload safe stop)	√	√	√	$\sqrt{}$
Safe fast time event	√	√	√	√
Safety redundancy	√	√	√	√
Timeout protection	√	√	$\sqrt{}$	$\sqrt{}$
Fire	√	√	√	√
Over weight (OW)	√	√	$\sqrt{}$	$\sqrt{}$
Full weight (FW)	√	√	√	√
Display outputs	√	√	$\sqrt{}$	$\sqrt{}$
Arrow outputs	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Gong outputs	√	√	√	√
Restore selector	√	√	√	√
Inspection control	√	√	√ √	√ ·
Cam trial	√	√	√	√
Active floor	√	√	√	√
Key code	√			

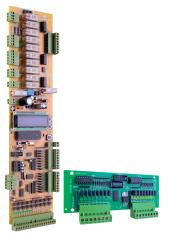
- Board dimensions are selected specifically to fit in room less control panels with 12V AC.
- Working with manual and full-automatic doors.
- Various call collection types such as down collective, simple collective (all), and single call.
- Granting inverter operations using UPS through dedicated output to the inverter.
- Two built-in interlocked relays for normal and emergency operation selection.
- Protecting elevator passengers during the emergency operation from any unintended operations.
- $\bullet$  Offering a third speed for high-speed motors. (Models: XC8-GL/3S & XC-16GL/3S).
- Elevator performance improvement.
- Programming buttons facilitate the movement of the elevator car in inspection mode.
- Possibility of combining the serial indicator and any other indicator, whether 7-segment, binary, or floor wire.

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# **Selective Collective Elevator Control Boards**









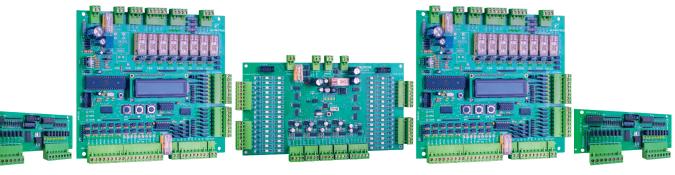


Model	XC-8/SC	XC-8HV/SC	XC-8GL2S/SC	XC-8GL3S/SC
Number of stops	8	8	8	8
Supplying voltage	12V AC	24V AC	12V AC	12V AC
System type	Hydraulic One-speed Two-speed	Hydraulic One-speed Two-speed	Gearless	Gearless
Drive type	Contactors Inverters	Contactors Inverters	Inverters	Inverters
Door type	Manual Semi-automatic Full-automatic	Manual Semi-automatic Full-automatic	Manual Full-automatic	Manual Full-automatic
Elevator car speed	Up to 1 m/sec	Up to 1 m/sec	Up to 1 m/sec	Up to 1.6 m/sec
Phase sequence detection	√	√	=	-
Motor direction correction	√	√	-	-
Phase failure	√	√	√	√
Emergency rescue mode	-	-	√	√
VIP (Car priority)	√	√	√	√
Parking	√	√	$\sqrt{}$	√
Lock error	√	√	$\checkmark$	√
MTR (Motor overload safe stop)	√	√	$\sqrt{}$	√
Safe fast time event	√	√	$\checkmark$	√
Safety redundancy	√	√	$\checkmark$	√
Timeout protection	√	√	$\checkmark$	√
Fire	√	√	$\sqrt{}$	√
Over weight (OW)	√	√	$\checkmark$	√
Full weight (FW)	√	√	$\checkmark$	√
Display outputs	√	√	√	√
Arrow outputs	√	√	$\checkmark$	√
Gong outputs	√	√	√	√
Restore selector	√	√	√	√
Inspection control	√	√	√	√
Cam trial	√	√	√	√
Active floor	√	√	√	√
Key code	√	√	√	√

- Simplified user-friendly interface.
- Reliance on performance-based practical design.
- Easy-monitoring of the elevator status.
- Displaying lift position on indicators such as serial, binary, 7-segment, and floor wire.
- Elevator performance improvement.
- Programming buttons facilitate the movement of the elevator car in inspection mode.
- Possibility of combining the serial indicator and any other indicator, whether 7-segment, binary, or floor wire.

# **Elevator Group Control Systems**

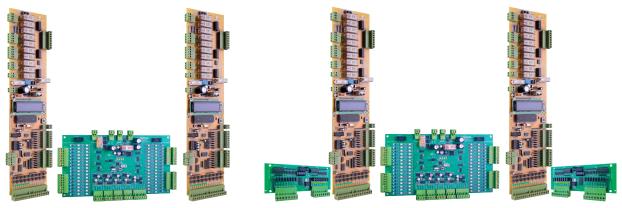
## **Traction & Hydraulic Elevators Group Control Systems**



Model	DUP-8	DUP-16
Group control	4	4
Number of stops	8	16
System type	Hydraulic One-speed Two-speed	Hydraulic One-speed Two-speed
Drive type	Contactors Inverters	Contactors Inverters
Door type	Manual Semi-automatic Full-automatic	Manual Semi-automatic Full-automatic
Elevator car speed	Up to 1 m/sec	Up to 1 m/sec
Call collection	Down collective Selective collective	Down collective Selective collective
Display	Binary 7-Segment Floor wire	Binary 7-Segment Floor wire
Phase sequence detection	$\sqrt{}$	$\sqrt{}$
Motor direction correction	$\sqrt{}$	$\sqrt{}$
Phase failure	$\sqrt{}$	$\sqrt{}$
Emergency rescue mode	-	-
VIP (Car priority)	√	$\sqrt{}$
Parking	√	$\sqrt{}$
Lock error	√	V
MTR (Motor overload safe stop)	√	$\sqrt{}$
Safe fast time event	√	$\sqrt{}$
Safety redundancy	√	$\sqrt{}$
Timeout protection	√	$\sqrt{}$
Fire	√	$\sqrt{}$
Over weight (OW)	√	$\sqrt{}$
Full weight (FW)	√	$\sqrt{}$
Display outputs	√	$\sqrt{}$
Arrow outputs	$\sqrt{}$	$\sqrt{}$
Gong outputs	$\sqrt{}$	$\sqrt{}$
Restore selector	$\sqrt{}$	$\sqrt{}$
Inspection control	√	$\sqrt{}$
Cam trial	$\sqrt{}$	$\sqrt{}$
Active floor	√	$\sqrt{}$
Key code	√	$\sqrt{}$

- Optimal execution of the required calculations.
- Smooth transportation and optimized traffic.
- Adaptability when an elevator is out of service.
- Call button's light power supply is provided.
- Possibility to operate with one or two landing call buttons.
- Connecting elevator control boards through reliable communication channels.
- Programming buttons facilitate the movement of the elevator car in inspection mode.

# **Gearless Elevators Group Control Systems**



Model	DUP-8GL / 2S	DUP-16GL / 2S	DUP-8GL / 3S	DUP-16GL / 3S
Group control	4	4	4	4
Number of stops	8	16	8	16
System type	Gearless	Gearless	Gearless	Gearless
Drive type	Inverters	Inverters	Inverters	Inverters
Door type	Manual Full-automatic	Manual Full-automatic	Manual Full-automatic	Manual Full-automatic
Elevator car speed	Up to 1 m/sec	Up to 1.6 m/sec	Up to 1 m/sec	Up to 1.6 m/sec
Call collection	Down collective Selective collective	Down collective Selective collective	Down collective Selective collective	Down collective Selective collective
Display	Binary 7-segment Floor wire	Binary 7-segment Floor wire	Binary 7-segment Floor wire	Binary 7-segment Floor wire
Phase sequence detection	-	-	-	-
Motor direction correction	-	-	-	-
Phase failure	√	√	√	√
Emergency rescue mode	√	√	√	√
VIP (Car priority)	√	√	√	√
Parking	√	√	√	√
Lock error	√	√	√	√
MTR (Motor overload safe stop)	√	√	$\sqrt{}$	√
Safe fast time event	V	√	√	√
Safety redundancy	V	√	√	√
Timeout protection	V	√	√	√
Fire	V	√	√	√
Over weight (OW)	V	√	√	√
Full weight (FW)	√	√	√	√
Display outputs	√	$\checkmark$	$\sqrt{}$	√
Arrow outputs	√	$\sqrt{}$	$\sqrt{}$	$\checkmark$
Gong outputs	√	√	√	√
Restore selector	√	√	√	√
Inspection control	√	√	√	√
Cam trial	√	√	√	√
Active floor	√	√	√	√
Key code	√	√	√	√

- Optimal execution of the required calculations.
- Smooth transportation and optimized traffic.
- Adaptability when an elevator is out of service.
- Call button's light power supply is provided.
- Possibility to operate with one or two landing call buttons.
- Connecting elevator control boards through reliable communication channels.
- Programming buttons facilitate the movement of the elevator car in inspection mode.



#### **Elevator Extension Board**

Model	XE-1
5111111	XC-8XP to reach 16 stops
Related control boards	XC-12XP to reach 28 stops
	XCHV-8XP to reach 16 stops

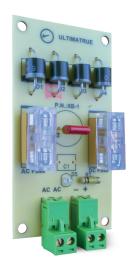
• Practical design facilitates simple connection.



#### **Phase Correction Boards**

Model	XPH-380	XPH-220
Voltage	380V	220V

- Compatibility with all elevator control boards.
- Easy installation.
- Automatic correction of phase sequence.
- Continuous monitoring for 3-phase lines.
- Presence of an isolated auxiliary point for phase failure.

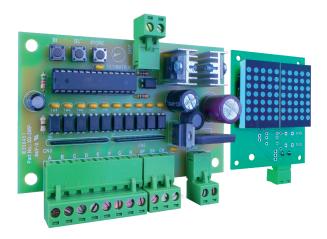


## **Bridge Board**

Model	ХВ
Voltages	From 12 to 220V AC
Current	Up to 6A

- Fits all control boards.
- Fitting design to facilitate easy installation.
- Improved protection by utilizing two separate fuses.

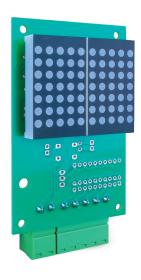
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Model	XDP-2W & XD-2W
Related control boards	All elevator control boards
Display	10 x 7 dot matrix preset alphanumeric; up and down arrows
Number of floors	24 floors per module
Wiring	Two wires available for power and data

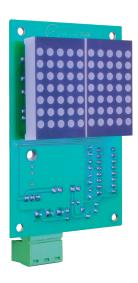
- Connects as many displays as needed.
- Compatible with all elevator control boards.
- Accelerates swift connection.
- Programming of the required alphanumeric indication of each floor is available.
- Display of up and down arrows.
- \* One programming unit (XD-2WP) must be used to operate up to 24 displays (XD-2W) within one lift.
- \* In case of having more than 24 stops, more sets can be used within one lift.



#### **Binary Display**

Model	XD-B
Related control boards	All elevator control boards
Display	10 x 7 dot matrix preset alphanumeric; up and down arrows
Number of floors	Up to 32 floors
Wiring	Up to 5 data wires + 2 wires (12V DC)

- Adaptability to display alphanumeric text according to the programming of the elevator control board.
- · Ability to work with any system that supports binary negative.
- Efficient design granting simple connection.
- · Display of up and down arrows.



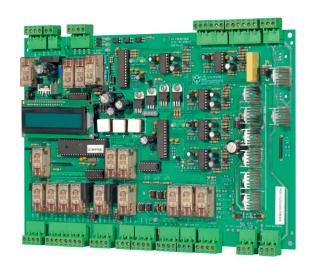
#### **Serial Display**

Model	XD-S
Related control boards	Ultimatrue's simplex, gearless, and selective collective control boards
Display	10 x 7 dot matrix
Number of floors	Up to 28 floors
Wiring	One data wire + 2 wires (12V DC)

- Adaptability to display alphanumeric text according to the programming of the elevator control board.
- Empowering debugging by displaying the control board's failures and status.
- Efficient design granting simple connection.
- Display of up and down arrows.

# **Automatic Rescue Devices**

## **Traction Elevator Rescue Boards**



Model	XC-EM	XC-EM / M / 380	XC-EM / 220
Machine Power	Up to 16 hp		
System type	Ir	nduction (asynchronous) mo	tor
Door type	Manual Manual Semi-automatic Semi-automatic (380V) Full-automatic Full-automatic (380V)		Semi-automatic (220V) Full-automatic (220V)
Main sensing inputs	Three phase (380V or 220V) Single phase (220V)		
CAM/Brakes	All types DC (60V-80V-110V-220V)		
Inputs	Stop proximity sensor, safety circuits, and inspection signal		
Outputs	Car light lamp (220V/40W)		
Motion direction	Minimum current (ampere) direction		
Display	LCD interface		
Supporting batteries	4 batteries (12V-7AHr SLA) or (12V-12AHr SLA) according power		

## **Traction Elevator Rescue Units**

Model	EMU9	EMU16	
Machine Power	9 hp	16 hp	
System type	One-speed induction (asynchronous) motor Two-speed induction (asynchronous) motor		
Door type	Manual Semi-automatic Full-automatic		
Main sensing inputs	Three phase (380V or 220V) Single phase (220V)		
CAM/Brakes	All types DC (60V-80V-110V-220V)		
Display	LCD interface		
Number of batteries	4 batteries 12V-7 AHr SLA	4 batteries 12V-12 AHr SLA	



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#### **Traction Elevator Rescue Panels**



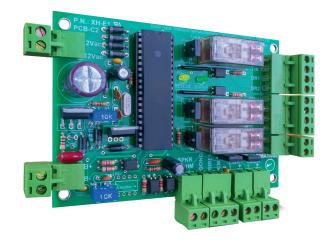


Model	EMP9/380/M	EMP9/380/220	EMP9/380/380	EMP9/220/M	EMP9/220/220	EMP16/M	EMP16/A220	EMP16/A380
Machine power	Up to 9 hp					Up to 16 hp		
System type	One-speed induction (asynchronous) motor Two-speed induction (asynchronous) motor							
Door type	Manual	Full-automatic Semi-automatic (220V)	Full-automatic Semi-automatic (380V)	Manual	Full-automatic Semi-automatic (220V)	Manual	Full-automatic Semi-automatic (220V)	Full-automatic Semi-automatic (380V)
Main sensing inputs	Three phase (380V) Three phase (380V) Single phase (220V)			Three phase (380V or 220V) Three phase (380V)				
CAM/ Brakes	All types DC (60V-80V-110V-220V)							
Display	LCD interface							
Number of batteries	4 batteries 12V-7 AHr SLA				4 batteries 12V-12 A	AHr SLA		

- Simplified installation as a wall mount or a stand-alone device.
- Moving the car in the direction of lower ampere.
- Flexible integration with the main controller.
- Full isolation of the main elevator control panel during the emergency process.
- Maximum utilization of battery functions.
- Monitoring the complete safety circuits.
- Separate output car cabin light.
- Outstanding protection is endorsed.
- Digital programming menu for the unit.
- Stable operating performance.
- Works with single phase power supply (Delta machine).
- Protects the maintenance technician by preventing elevator movement when the power is cut off.

## **Hydraulic Elevator Rescue Boards**





Model	EMH-A	EMH-M
Power supply	12V AC	24V AC
Door type	Manual	Automatic (220V – 380V)
Stop proximity sensor and safety circuits as inputs	$\sqrt{}$	$\checkmark$
Valve control, car emergency light, and siren as outputs		$\sqrt{}$
Supporting batteries	One battery 12V-7AHr	Two batteries 12V- 5AHr

- Option of connecting a safety siren.
- Issuing a status for safety circuits in case of power loss.
- Ability to power emergency car light for improved performance.
- Best utilization of the batteries.

## **Hydraulic Elevator Rescue Panels**

Model	EMHP220	EMHP380	
System type	Hydraulic		
Door type	Single phase automatic door (220V)	Three phase automatic door (380V)	
Inputs	Stop proximity sensor and safety circuits		
Outputs	Valve control, car emergency light, and siren automatic door signals		
Number of batteries	2 batteries12V - 5AHr SLA		



- Practical design facilitates simple connection.
- Option of connecting a safety siren.
- Issuing a status for safety circuits in case of power loss.
- Ability to power emergency car light for improved performance.
- Ability to open the automatic door after the completion of the rescue, whether 220V or 380V (Automatic door type).
- Best utilization of the batteries.

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## **Access Control Device**

Model	U-AXS
Technology used	RFID
Supplying voltage	12V DC (±10%)
Current	≤ 100 mA (working)
Dimensions	119*54*23 mm
Operating distance	(0-5) cm (Depending on card/tag type)
On delay timer	(3-99) sec
Output type	Free contact relay (2A/24V DC)
User capacity	Unlimited number
Work mode	Stand-alone device
Indication	LED indication and buzzer
Card (Adding and removing method)	Via master card and IR remote
Contactless cards	ISO 14443A mifare – 13.56 MHz
Card usage	The same RFID card can be programmed to access up to 10 systems



- Easy operation for both the administrator and passenger.
- Addition/removal of RFID cards/tags via master card and remote control.
- Cards/Tags can be added as groups where each group represents a unit or apartment.
- Unlimited number of cards/tags can be registered to each group.
- Ability to remove any group using the remote control.
- Capability of re-adding the removed groups using the remote control without needing to re-pass the cards/tags again.
- On delay time can be adjusted via remote.
- Preventing your system from hacked cards/tags by using powerful encryption.
- Reverse polarity protection circuit.
- LED indication through two different colored LED indicators for every mode.

# **Light Curtains**

Model	U-CA32L/24V/DC	U-CA32H/220V/AC	
Supplying voltage	24V DC	220V DC	
Dimensions	2000*44*16 mm		
Infrared beams curtain	32		
Detection range	2m		
Output type	Free contact relay (2A/24V DC)		
No. of diode sets	32 sets		
IP protection	54		
Indication	''	oly and another one for blocking status	

- 32 Infrared beam curtains provide a wide detection range.
- Relay contact output (2A/24V DC) SPCO.
- LED indication for power supply and blocking status.
- Static or dynamic mounting, illustrates the compatibility of different door types.
- Performance-driven design ensures passengers' safety and comfort while the door opens.



# **Elevator Control Panels**

#### **MR Control Panels**



Model	U-MR
Number of stops	Up to 28 stops
Duplex system	Up to 16 stops
System type	One-speed Two-speed Hydraulic
Drive type	Contactors Inverters
Door type	Manual Semi-automatic (220V and 380V) Full-automatic (220V and 380V)
Operating voltage	3-Phase, 220V or 380V, 50 or 60 Hz
Elevator car speed	Up to 1 m/sec
CAM voltage	(60V, 80V, 110V, 220V) DC
Brake voltage	(60V, 80V, 110V, 220V) DC
Ventilation	AC fan with inlet and outlet filters
Rescue system	Emergency Unit up to 16 hp or UPS (option)
Lighting	Lamp with micro switch (option)
Inspection	Inspection box (option)
Steel type	Sheet steel and galvanized steel
Installation	Indoor / Outdoor
Degree of protection	IP-42, IP-54
Size	(90*70*22, 100*80*30, 120*80*30, etc.)

- Compatible with all elevator operating systems.
- User-friendly handling with high efficiency.
- · Numbered wires for easy debugging.
- Different sizes to meet your needs.
- High quality electrical components supplied by world leading manufacturers.
- Full environmental protection is utilized by selected electrostatic paint.
- Conformity with the international standards in manufacturing and safety.
- Documentation for ease of installation and operation.
- 100% test assurance fulfilled using the latest electrical testing equipment.
- Tailored technical support starting from engineering studies initiation.

#### **MRL Control Panels**





Model	U-MRL
Number of stops	Up to 16 stops
Duplex system	Up to 16 stops
System type	Gearless
Drive type	Inverter
Door type	Manual Full-automatic (220V and 380V)
Operating voltage	3-Phase, 220V or 380V, 50 or 60 Hz
Elevator car speed	Up to 1.6 m/sec
CAM voltage	(60V, 80V, 110V, 220V) DC
Brake voltage	(60V, 80V, 110V, 220V) DC
Ventilation	AC fan with inlet and outlet filters
Rescue system	UPS (option)
Lighting	Lamp with micro switch (option)
Inspection	Inspection box (option)
Steel type	Sheet steel and galvanized steel
Installation	Indoor / Outdoor
Degree of protection	IP-42, IP-54
Size	Vertical size (200*40*35) Slim size (185*17*15 + 60*55*20)

- Full elevator control in normal and emergency cases using gearless control boards.
- Complete usage of all safety circuits during emergency regime execution.
- Flexible dimensions to fit with the available space area the of elevator shaft.
- Numbered wires for easy debugging.
- Different sizes to meet your needs.
- High quality electrical components supplied by world leading manufacturers.
- Full environmental protection is utilized by selected electrostatic paint.
- Documentation for ease of installation and operation.
- 100% test assurance fulfilled using the latest electrical testing equipment.
- Tailored technical support starting from engineering studies initiation.

Notes	Elevator Control Solutions Catalogue



# Lifting Expectations

#### Note:

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## **Elevator Control Solutions Catalogue**

#### Headquarters:

14 Obour Buildings Salah Salem St.,Nasr City, Cairo, Egypt

Tel: (+20) 224 010 147 / 226 10 157 Mob: (+20) 100 103 4188 Fax: (+20) 224 013 875
International Tel: (+20) 102 366 6065

Email: info@ultimatrue.com

www.ultimatrue.com
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