



The name is **enough** to  
make it **happen**

[www.philbrickindia.com](http://www.philbrickindia.com)



**philbrick**<sup>®</sup>  
PROVIDING ELEVATOR SOLUTIONS

The name is enough to  
make it happen



**philbrick®**  
PROVIDING ELEVATOR SOLUTIONS



## COMPANY BACKGROUND



**Mr. Vasant Patel**  
Director

**We are  
equipped  
with the  
latest modern  
equipments  
to provide  
safer, smarter  
& simpler  
Solutions.**

philbrick controls India was founded in 1992 in Ahmedabad a city of Gujarat, India with a main focus on providing automation solution by research & development and production of Control Instruments & Control Panels. A teamwork of young & professional entrepreneurial and engineers with apex of providing technical solution with economy, the proficiency, in depth techno-commercial knowledge has brought the results in front of you.

### activity

philbrick provides automation solution to various industries by producing microcontroller based instruments & control panels. We are specialized in understanding the application to fulfill the industrial requirements by providing the best efficient economical solutions.

We offer our best proficient automation solutions by advance development techniques, hi-tech manufacturing process, systematic testing methodology and strong quality assessment.

We have been catering our services to various industrial segments like Construction, Textile, Steel, Plastic, Paper, Glass, Power, Chemical, Pollution Control Equipment manufactures etc.

We have dedicated team with a special focus on Elevator Industry for providing Smarter, Safer & Simpler Control Panels and various accessories for the passenger LIFT.

## HISTORY

In 1992 philbrick started with Low cost high performing Digital Temperature Indicators, Temperature Controllers & Scanners. In 1994 Introduction of Programmable Temperature profile controller PC-2000 for the Dyeing Machine was accepted by most of the dyeing & printing process houses as a preferred option for the replacement of imported controller from out side India. With a remarkable success story OEM demanded the complete solution from the philbrick which led the company to enter the market of Industrial control panels and philbrick started manufacturing Automation Control Panels in 1997. Having the brand image as a quality manufacturer Elevator Manufacturer approached us for solution to the conventional relay logic based hardwired control panel for passenger LIFT, philbrick and started the first Microcontroller based elevator controller panel in Ahmedabad in 1997.

As the preferred quality manufacturer image was continue, the manufacturer from other industries went on approaching and the product basket started filling with products like Digital Speed Indicator, Zero Speed Switch, Flame-failure Detection Unit, Burner Sequence Controller for boilers, Various kind of timers, Bag Filter Sequential Timers, Battery Cell Scanner Flow totalizer for Asphalt Mixing Plant, Digital Weighing Scales,



Weigh Feeder & Batch Weighing Controllers, Flame proof Equipments & so many customized automation and control solutions during 1997-2005. Company again broke the traditional approach for Elevator Controller and Introduced more featured Elevator Controller series E203DL, E203VF & E203ADV in 2001. philbrick started other electronics accessories like Car Position/Direction Display, Dot Matrix Scrolling Display ,Digital Clock & Temperature Indicator for COP, Phase Sequence Changer, Emergency Light & Alarm , Door Close Announcer, Floor Announcing System etc. As innovation was the main principle philbrick kept the pace with the other Industrial Automation and started PLC & SCADA Based control panels. Company's Approach continued for Elevator Industry also and introduced New series of Elevator Controller "Elevat +" & "I-Auto".by 2008.During the same tenure other electronics accessories for elevator were also introduced like Monochrome LCD, Full Color TFT, Touch Panel COP . philbrick was worried about the High Cost & failure of imported Electronics controller for Automatic Door operator and started indigenous solution for the door operator controller "LIFT MASTER" which was accepted everywhere. As company was growing with good acceleration, to strengthen the infrastructure & manufacturing capabilities philbrick shifted to a new well organized campus having 10,000 sq. feet of working area with latest manufacturing facilities,

campus wide LAN connectivity in May 2009.The new infrastructure came with the boost, as a first result philbrick started manufacturing "Synergy" brand Automatic Door Operator commencing with the "Ultima" series.

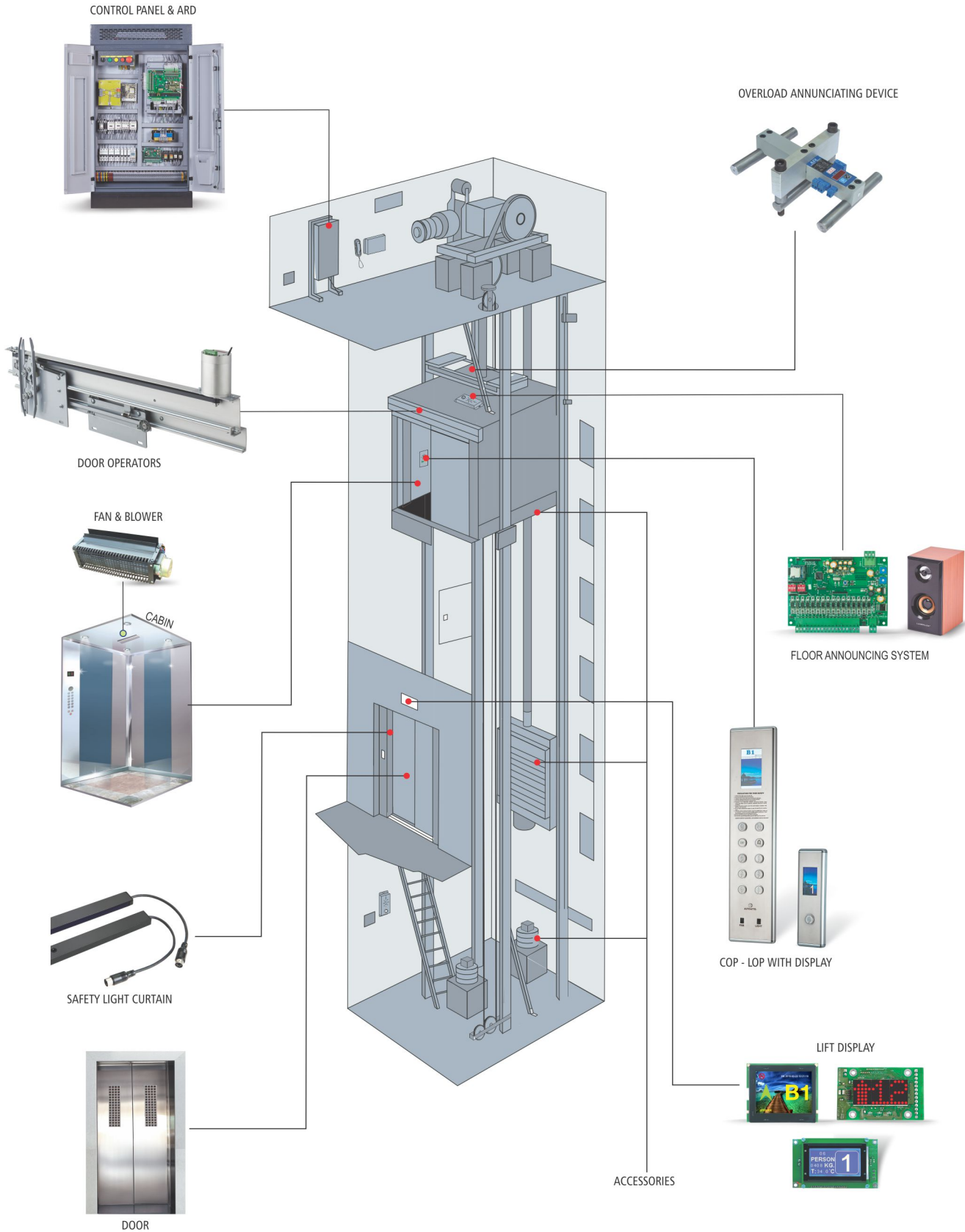
The success journey continues & in 2012 philbrick introduce the New more featured mother board series " Xpert ". We also added some advancement in other accessories and introduced FA300, RFID & Biometric access for LIFT etc.

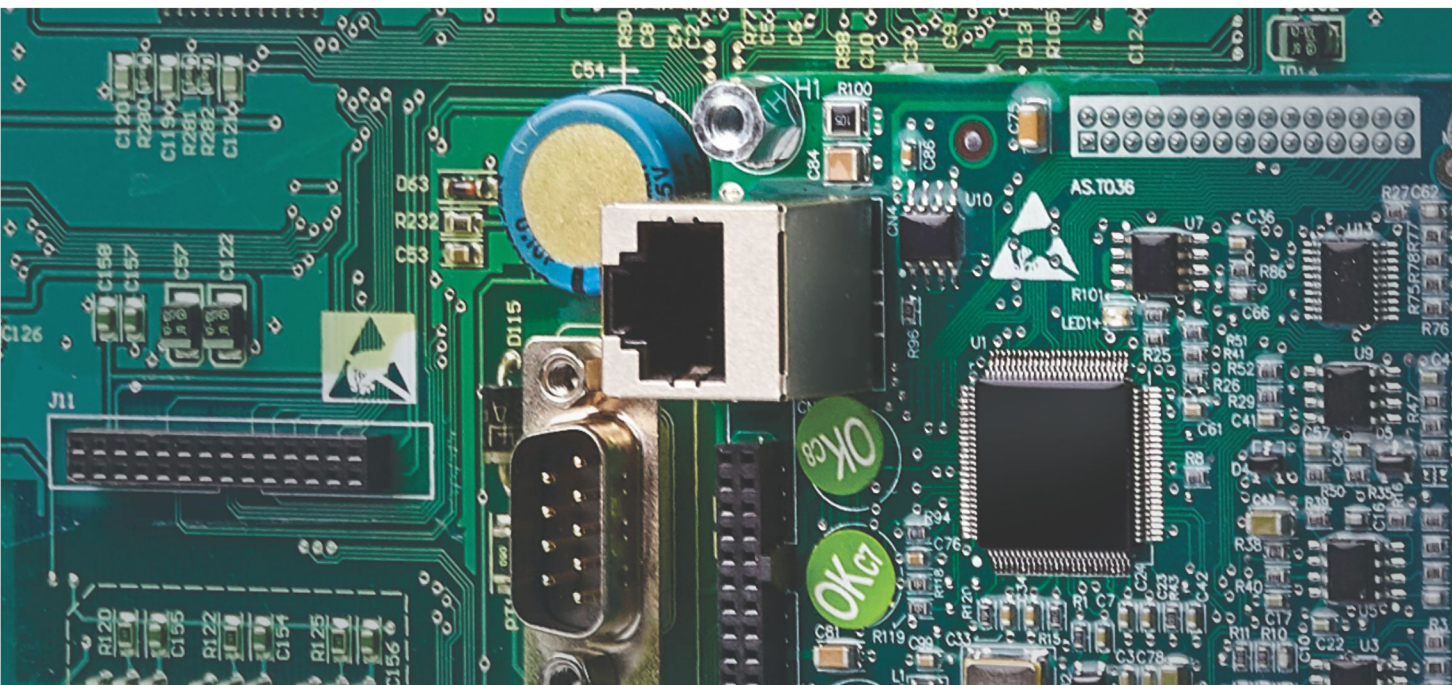
In the year 2014 the New trend of Integrated Elevator Controller arise . philbrick did the tie up with the Largest Chinese Manufacturer of elevator products named "STEP® " to keep its image as trend setter.

In 2019 to fulfil the market demand philbrick doubled its infrastructure facility.

Today philbrick is an organization having high tech equipped R & D and manufacturing infrastructure backed by Highly Qualified Engineer's team, skilled technicians and ERP.

philbrick will endeavor to improve every aspect of daily life for people and bring new thoughts and new life to the society.



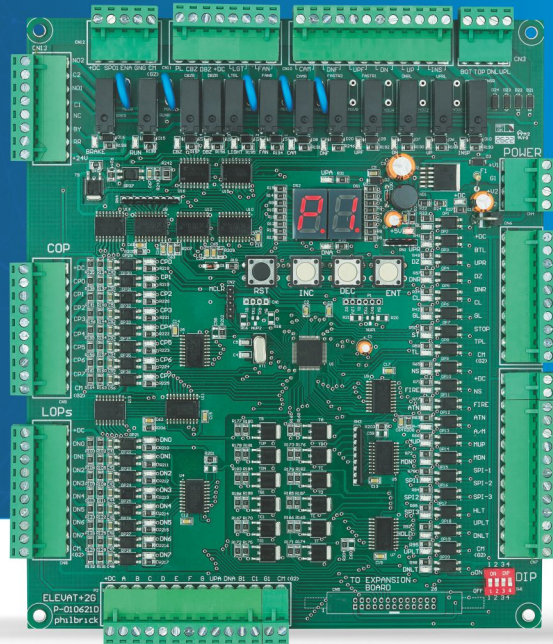


## Fully computerized intellectual control system

### ➤ Features of philbrick Control Panels

- Attractive & Sturdy Design for larger Applications.
- Machine Room Type, MRL Type & Customized Enclosures i.e. IP54, flame proof etc.
- Mains Isolated supply for Field Interlocking, Brake & CAM using Isolation control transformer.
- Line choke to protect VVVF (Optional )
- Natural cooling OR Forced cooling to prevent heating inside the control panel.
- Highly Noise Immune Logic circuit design
- Stable Power Supply with EMI/ RFI Noise Filter for Digital Logic Circuit.
- Plug –in socket type interconnectivity with Modular PCBs for hassle free on site replacement.
- Two –Tire safety Interlocking.
- Digital Car Position & Direction Indication to monitor Car movement.
- Ramp Type CAM activation gives Noise free operation in Manual Door LIFT.
- STOP, Auto / Inspection command section to operate LIFT from control panel.

Logic  
Control  
Board



Elevate+ 2G Main Board

### ➤ Salient Features :

- RISC microprocessor Based High speed clocked Design which enhance the processing speed for better Elevator Control.
- Multi Functional Keypad with 2 Digit LED Segment Display.
- Programmable Configuration & Functionality makes flexible controlling.
- Programmable, Floor Designation like B,P,C,L -1,-2, etc., Fireman Floor, etc.
- DIP Switch settable Number of Floors .
- Non Stop Functionality .
- Auto FAN / LIGHT functionality to save energy.
- Intelligent electronics STOP function .
- Auto / Attendant Mode.
- Supports Simple Gate Lock & Pre Gate Lock (OTIS Type Lock) Configuration.
- Audio Buzzer O/p for Open Door condition in Manual Door.
- Call Buzzer O/p for Landing Floor Call prompting .
- Opto Coupler based Galvanic Isolation for all Inputs & Outputs.
- Separate LED Indication for all Inputs & Outputs.
- Hardware & Digital Filtering in all the Input to suppress effects of Electrical Noise.
- PTC protected all the Digital I/O to avoid failure due to field faults.
- Solid State Display Driver with Resettable Fuse protection.
- Faster Learning & simple maintenance.

Manual Door  
Controller with  
VVF Drive



EPM - 8L - V3F

### > Manual Door Control Panels With V3F Drive

Application	Model	Description	Options
Elevat+ 2G Main Board Based V3F Type Control Panel	EPM-8L-V3F	8 Landing Floors Down Collective Logic	<ul style="list-style-type: none"> <li>Customized Control Panel Enclosure for MRL application</li> </ul>
	EPM-12L-V3F	12 Landing Floors Down Collective Logic	
Xpert Main Board Based V3F type Control Panel	XPLM-8L-V3F	8 Landing Floors Full Collective Logic	<ul style="list-style-type: none"> <li>ARD (Automatic Rescue Device ) Functionality</li> </ul>
	XPLM-12L-V3F	12 Landing Floors Down Collective Logic	
	XPLM-16L-V3F	16 Landing Floors Full Collective Logic	<ul style="list-style-type: none"> <li>Control Panel for Synchronous Motor (Gearless M/c.)</li> </ul>

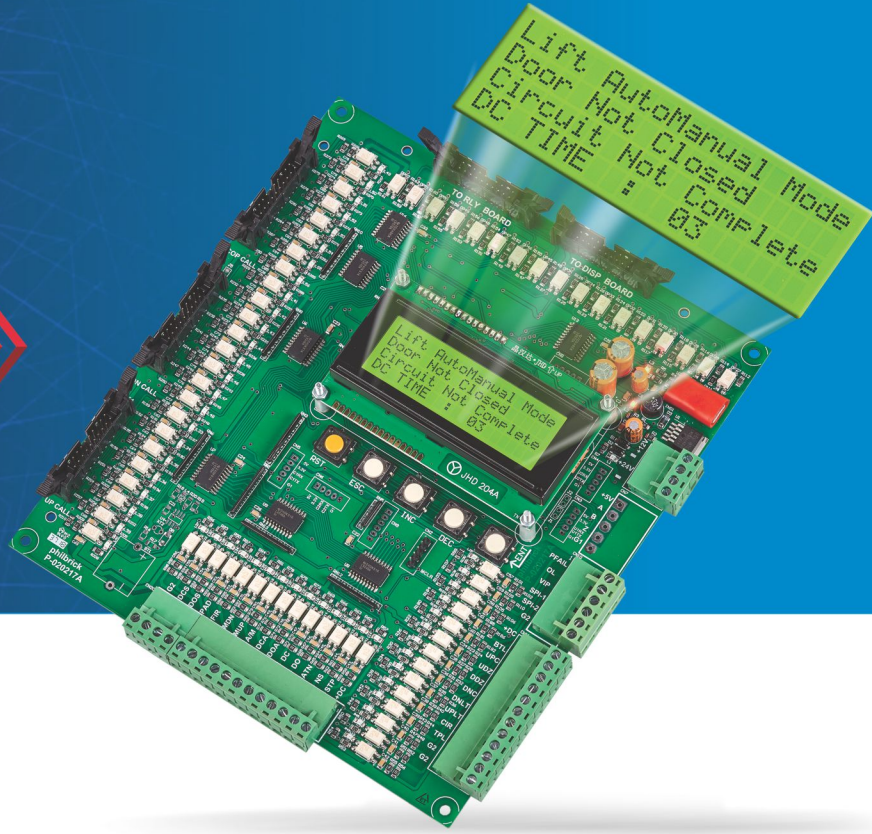


### > Single Speed Manual Door Control Panels

Application	Model	Description	Options
Elevat+ 2G Main Board Based Single Speed Control Panel	EPM-8L-DOL	8 Landing Floors Down Collective Logic	<ul style="list-style-type: none"> <li>Phase Sequence Corrector</li> </ul>
	EPM-12L-DOL	12 Landing Floors Down Collective Logic	
Xpert Main Board Based Single Speed Control Panel	XPLM-8L-DOL	8 Landing Floors Full Collective Logic	<ul style="list-style-type: none"> <li>Customized Control Panel Enclosure</li> </ul>
	XPLM-12L-DOL	12 Landing Floors Down Collective Logic	
	XPLM-16L-DOL	16 Landing Floors Full Collective Logic	



Logic  
Control  
Board



Xpert Main Board

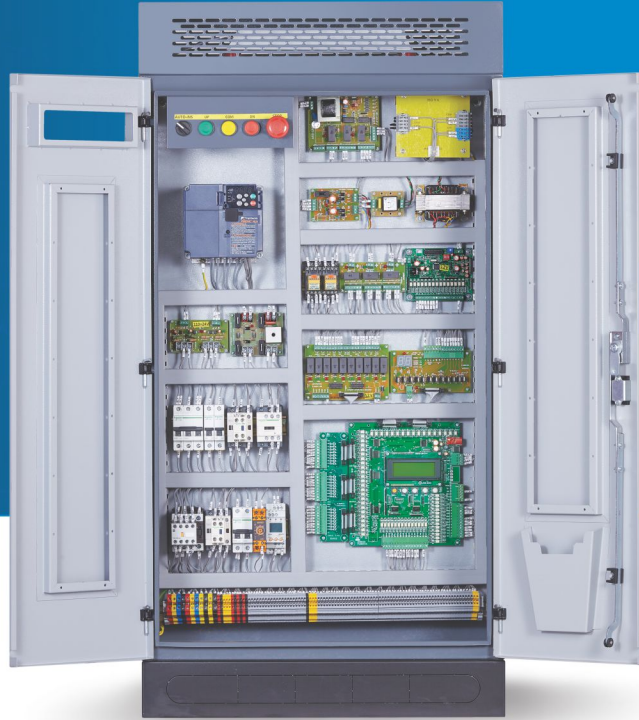
> **Salient Features :**

- 16 Bit/ 32 Bit RISC microprocessor Based High speed clocked Design which enhance the processing speed for better Elevator Control.
- Multi Functional Keypad with LCD 20 Char \* 4 line Display.
- Programmable Configuration & Functionality makes flexible controlling.
- Programmable Number of Floors , Floor Designation like B,PC,L -1,-2, etc., Fireman Floor, Home landing Floor, Door timings , Front & Rear Door operation etc.
- Non Stop ,VIP Mode & HALT Functionality.
- Password protected Trip setting.
- Self Diagnostic /Debugging Mode for onsite trouble shooting.
- Auto FAN / LIGHT functionality to save energy.
- Intelligent electronics STOP function.
- Auto / Attendant Mode.
- Audio Buzzer O/p for Open Door condition in Manual Door.
- Call Buzzer O/p for Landing Floor Call prompting.
- Opto Coupler based Galvanic Isolation for all Inputs & Outputs.
- Separate LED Indication for all Inputs & Outputs.
- Hardware & Digital Filtering in all the Input to suppress effects of Electrical Noise.
- PTC protected all the Digital I/O to avoid failure due to field faults.
- Solid State Display Driver with Resettable Fuse protection.
- Faster Learning & simple maintenance.





Automatic Door  
Controller with  
VWF Drive



XPLA - 8L - V3F



> Automatic Door Control Panels With V3F Drive

Application	Model	Description	Options
Xpert Main Board Based Auto Door V3F Type Control Panel	XPLA-8L-V3F	8 Landing Floors Full Collective Logic	<ul style="list-style-type: none"> <li>Customized Control Panel Enclosure for MRL application</li> </ul>
	XPLA-12L-V3F	12 Landing Floors Down Collective Logic	<ul style="list-style-type: none"> <li>ARD (Automatic Rescue Device ) Functionality</li> </ul>
	XPLA-16L-V3F	16 Landing Floors Full Collective Logic	<ul style="list-style-type: none"> <li>Control Panel for Synchronous Motor (Gearless M/c.)</li> </ul>

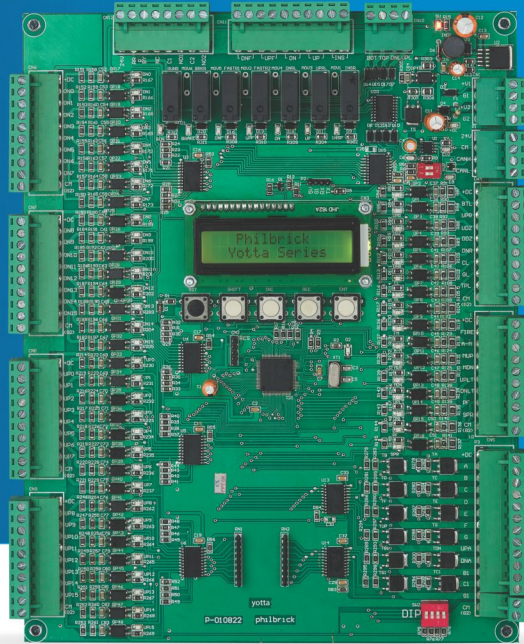
## Semi Serial Main Control Board With IOT



LiftNxt



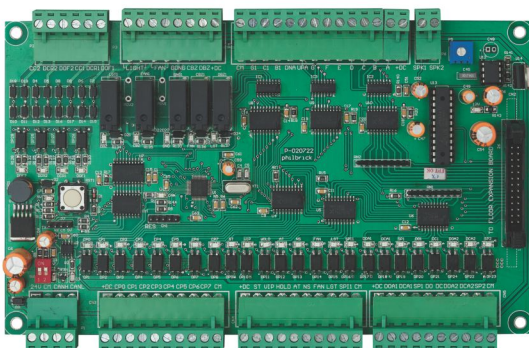
LiftSetu



yotta - Main Board

### > Salient Features :

- 32 Bit Arm Cortex M-23 Controller Based High speed clocked Design which enhance the processing speed for better Elevator Control.
- Car Top Board CAN Bus Serial Interface minimizes wiring from Control Panel to CAR
- Multi Functional Keypad with LCD 16 Char \* 2 line Display.
- Programming with Mobile Application "LiftSetu"
- Programmable Configuration & Functionality makes flexible controlling.
- Programmable Number of Floors , Floor Designation like B,P,C,L -1,-2, etc., Fireman Floor, Home landing Floor, Door timings ,
- Front & Rear Door operation etc.
- Non Stop ,VIP Mode & HALT Functionality
- Password protected Trip setting
- Self Diagnostic /Debugging Mode for onsite trouble shooting.
- Auto FAN / LIGHT functionality to save energy.
- Intelligent electronics STOP function .
- Auto / Attendant Mode.
- Audio Buzzer O/p for Open Door condition in Manual Door
- Call Buzzer O/p for Landing Floor Call prompting .
- Opto Coupler based Galvanic Isolation for all Inputs & Outputs.
- Separate LED Indication for all Inputs & Outputs .
- Hardware & Digital Filtering in all the Input to suppress effects of Electrical Noise
- PTC protected all the Digital I/O to avoid failure due to field faults.
- Solid State Display Driver with Resettable Fuse protection
- Faster Learning & simple maintenance.
- " LiftNxt " IOT Application for Remote Monitoring & Control



**yotta**<sup>®</sup>

### CAN Bus Serial Car Top Board

- 32 Bit Arm Cortex M Controller Based High speed clocked Design which enhance the processing speed for better Elevator Control
- CAN Bus Serial Interface with yotta Main Control Board
- Common wire for Button I/p & LED O/p for Call Buttons
- Double click Call Cancellation Facility



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PROVIDING ELEVATOR SOLUTIONS



Cloud



LiftNxt



LiftSetu



IoT



YCL-16L-V3F



### > Automatic Door Control Panels With V3F Drive

Application	Model	Description	Options
yotta Main Board Based Auto Door V3F Type Control Panel	YCL-8L-V3F	8 Landing Floors Full Collective Logic	<ul style="list-style-type: none"> <li>• Customized Control Panel Enclosure for MRL application</li> <li>• ARD Automatic Rescue Device</li> </ul>
	YCL-12L-V3F	12 Landing Floors Down Collective Logic	
	YCL-16L-V3F	16 Landing Floors	

## Hydraulic Lift Controller



XPLA - Hydra - 8L



### > Salient Features :

- Suitable for Hydraulic LIFT with DOL Delta / Wye-Delta Starter for pump.
- 4-Nos. Relay O/P to control 2-speed operation.
- Supports Simple Gate Lock Contact & Pre Gate Lock Configuration for manually operated door LIFT.
- Automatic Rescue Functionality.
- Available for Automatic Door LIFT.
- Auto **Releveling** functionality.
- Electronics Single Phasing/ Reverse Phasing preventer.
- Speed Up to 0.5 m/s for open-loop.
- Available Up to 30 .0 H.P.

Application	Model	Description	Options
Xpert Main Board Based Auto Door Hydraulic Lift Control Panel	XPLA - Hydra - 8L	Up to 8 landing floors for Automatic Door	<ul style="list-style-type: none"> <li>• Available for DOL / Star-Delta Main Pump Stater.</li> </ul>
Elevate <sup>+</sup> 2G Main Board Based Manual Door Hydraulic Lift Control Panel	EPM - Hydra - 8L	Up to 8 landing floors for Manual Door	<ul style="list-style-type: none"> <li>• Controller for MRL Application.</li> <li>• Phase Sequence Corrector .</li> </ul>
Vector Main Board Based Auto Door Hydraulic Lift Control Panel	VCL - Hydra - 8L	Up to 8 landing floors for Automatic Door	<ul style="list-style-type: none"> <li>• Front &amp; Rear Door</li> </ul>

Integrated



**AS 360**  
Parallel Integrated  
VVVF Drive



**AS 380**  
CAN Bus Integrated  
VVVF Drive



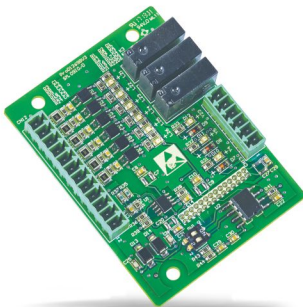
**AS 380 S**  
CAN Bus Integrated  
VVVF Drive



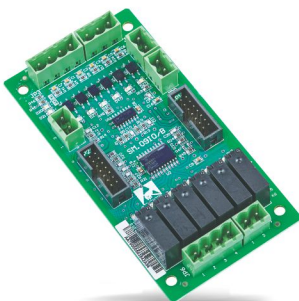
Keypad

### > Salient Features of Integrated Control Panels :

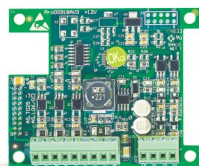
- Attractive & Sturdy Design for larger Applications.
- Machine Room Type , MRL Type & Customized Enclosures.
- Digital Voltage Protection Relay to protect Control System against Input Voltage fluctuation
- Mains Isolated supply for Field Interlocking , Brake & CAM using Isolation control transformer.
- Line choke to protect VVVF
- Natural cooling OR Forced cooling to prevent heating inside the control panel.
- Stable Power Supply-SMPS with EMI/ RFI Noise Filter.
- STOP, Auto / Inspection command section to operate LIFT from control panel.



SM. 09 IO/D



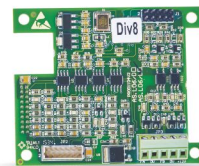
SM. 09 IO/B



**AS. T025**  
Incremental



**AS. T024**  
Sin/Cos



**AS. L06/L**

Integrated  
Lift Controller  
AS 360  
Parallel Type



INTL - 360 - 10L



➤ Main Features :

- Perfect integration of Control Logic and V3F Drive of elevator leads to compact structure, less wiring, high reliability, easy operation and cost efficiency.
- Double 32-bit MCU combines the elevator control and motor control.
- Full featured LCD Keypad tool for programming & Debugging.
- Direct to Floor Landing Gives Jerk less starting & stopping.
- Redundant safety design , double safety protection for control and drive.
- All-parallel input and output.
- Support speed  $\leq 2.5$  m/s.
- Support one main contactor solution.
- Support Geared (Asynchronous ) and Gearless (Synchronous ) motor.
- Sin / Cos, Endat, ABZ Incremental Resolver Interface.
- Support Auto Door & Manual Door Lift Logic.
- Use PIM module for hardware, lower loss in switch on and off and longer lifetime.
- Creative Zero-speed torque compensation technology provides the elevators with good starting ride quality without installing weighing devices.
- New PWM dead-zone compensation technology brings less energy loss.
- Dynamic PWM carrier modulation technology brings less motor noise.

Application	Model	Description	Options
AS360 Based Integrated Control Panel	INTL-360-10L	10 Landing Down Collective / 7 Landing Full Collective	<ul style="list-style-type: none"> <li>• Customized Control Panel Enclosure for MRL application.</li> <li>• Pre Door opening.</li> <li>• Duplex Control.</li> <li>• Analog Weighing Device Interface. Double Door Function.</li> </ul>
	INTL-360-12L	12 Landing Down Collective / 9 Landing Full Collective	
	INTL-360-16L	16 Landing Full Collective	



MRL Enclosure

## Integrated Lift Controller AS 380 CAN Bus Serial Type



MRL Enclosure

### ➤ Main Features :

- Perfect integration of Control Logic and V3F drive of elevator leads to compact structure, few wiring, high reliability, easy operation and cost efficiency.
- Double 32-bit MCU combines the elevator control and motor control.
- Direct to Floor Landing Gives Jerk less starting & stopping.
- Full featured LCD Keypad tool for programming & Debugging.
- Analog Weighing Device Interface.
- Redundant safety design , double safety protection for control and drive.
- CAN bus communication for COP, LOP & Other accessories make the whole system rugged, easy, fast and reliable.
- Support speed  $\leq 4.0$  m/s.
- Support traditional Group Control and **DDS - Destination Dispatching System** control and IOT.
- LIFT Debugging from COP by connecting programming tool in COP Board.
- Support one main contactor solution.
- Support Geared (Asynchronous ) and Gearless (Synchronous ) motor.
- Sin / Cos, Endat, ABZ Incremental Resolver Interface.
- Support Auto Door & Manual Door Lift Logic.
- Use PIM module, lower loss in switch on and off and longer lifetime.
- Creative Zero-speed torque compensation technology provides the elevators with good starting ride quality without installing weighing devices.
- Close-loop vector brings higher performance in control.
- New PWM dead-zone compensation technology brings less energy loss.
- Dynamic PWM carrier modulation technology brings less motor noise.

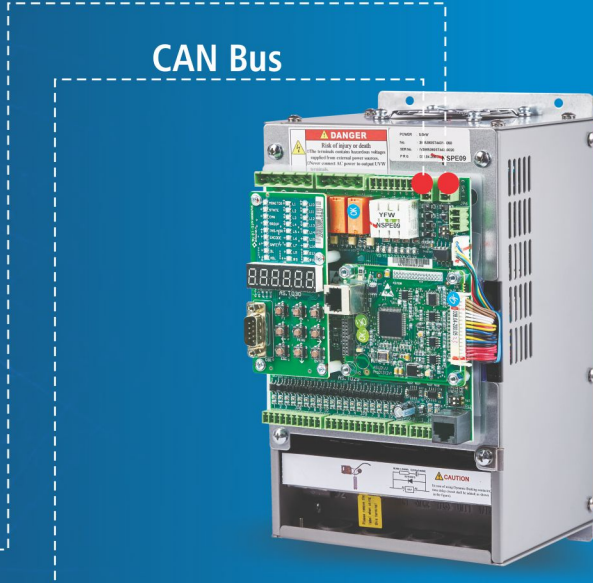
Application	Model	Description	Options
AS380 Based Integrated Control Panel	INTL-380-64L	64 Landing Full Collective	<ul style="list-style-type: none"> <li>• Customized Control Panel Enclosure for MRL application.</li> <li>• Pre Door opening.</li> <li>• Group / Duplex Control.</li> <li>• Double Door Function.</li> <li>• DDS - Destination Dispatching System control.</li> <li>• IOT - Internet of Things for remote monitoring of LIFT.</li> <li>• Community Monitoring System.</li> </ul>



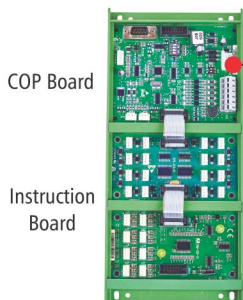
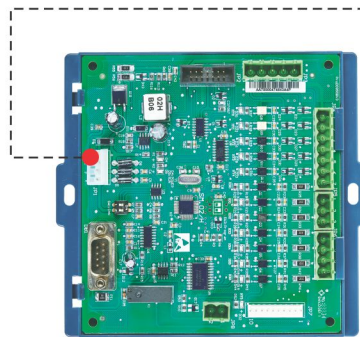
# As380 CAN Bus Serial Type Integrated Lift Control Schematic



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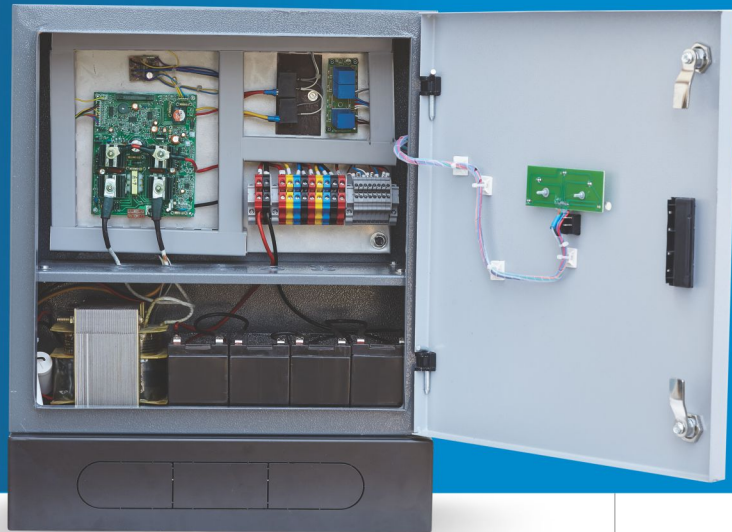


AS 380  
CAN Bus Integrated  
VVVF Drive





Lift Power  
LP440 / LP 220  
Automatic  
Rescue Device



LP 440

➤ Automatic Rescue Device (ARD) for Lift

LIFT Power LP440/ LP 220 is application specially designed High Starting Current type Inverter to operate the LIFT in Emergency Mode to rescue the passenger in Power fail condition.

➤ Features :

- Suitable for Auto Door /Manual Door Lift.
- High Starting Current for High Starting Torque Requirement.
- Automatic Shut Down to prevent unnecessary Battery Usage.
- Digital Signal processing for Pure Sinewave output with Power Efficient Low On Resistance Easy based design.
- IGBT based charging for longer battery life.
- Automatic Battery Charging Cut off.
- Protection against deep discharge of Battery.
- Status Indications on LCD / LEDs.
- Available up to 30 H.P. Motor Rating.



FLP Control Panel





**Synergy-Agile Series** Door Mechanism for Automatic Door LIFT gives Quick, Easy, Silent & Safe operation of the Doors by virtue of its agility and ultimate synergy of Electro-Mech technology.

The product Design conceptualized & Manufactured using advance technology to ease the Installation & quicken the debugging.

The state of the art designed DSP Based dedicated VVVF Door operator controller accelerates the performance of product synergy.

#### > Salient Features :

- Same Aluminum profile for Car & Landing Door Mechanism
- Front mounting type Car header
- 40mm Sill For Center Opening
- 80mm Sill For Side Opening
- 35mm door thickness
- 40mm door frame depth
- Reduce size of Car and Landing Frame
- Groove Type / Groove less (Optional) sill
- Zero adjustment type D-lock system
- Two Spanner installation
- Less adjust door panel
- Small skate
- Direct mounting door contact on door plate
- 95% hardware are M6 allen key
- Simple adjust landing door lock
- Integrated PMSM Door Drive
- Two Tier parameters programming
- Space Saving = (Opening x 2 + 20) mm Length For Center Opening
- Space Saving = (Opening x 1.5 + 50) mm Length For Side Opening
- 30mm more cabin size for Center Opening
- 20mm more cabin size for Side Opening



Aluminum Profile



Car Header



D-lock System



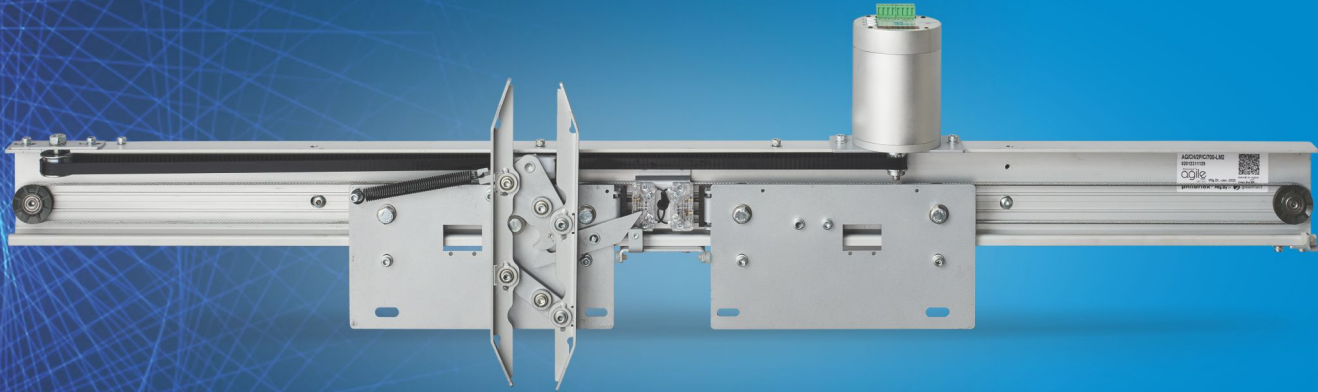
Easy Installation



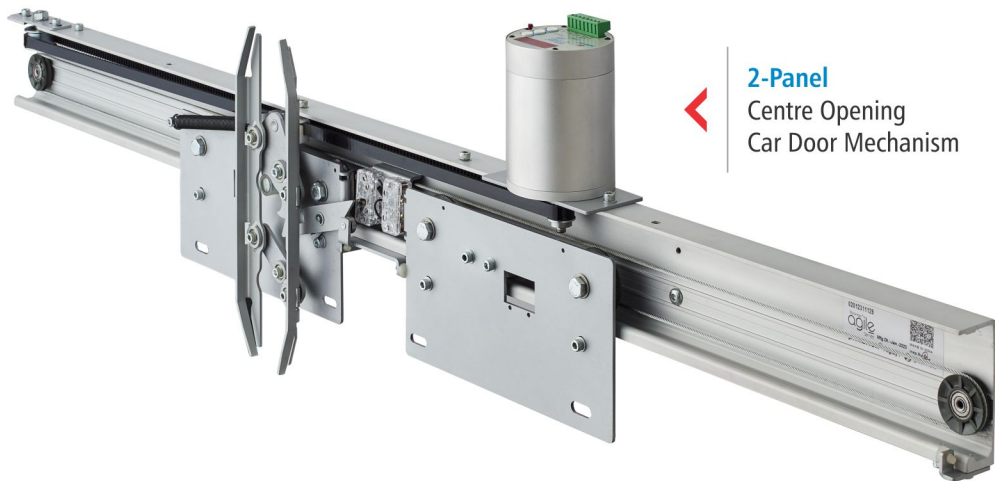
M6 Allen Key



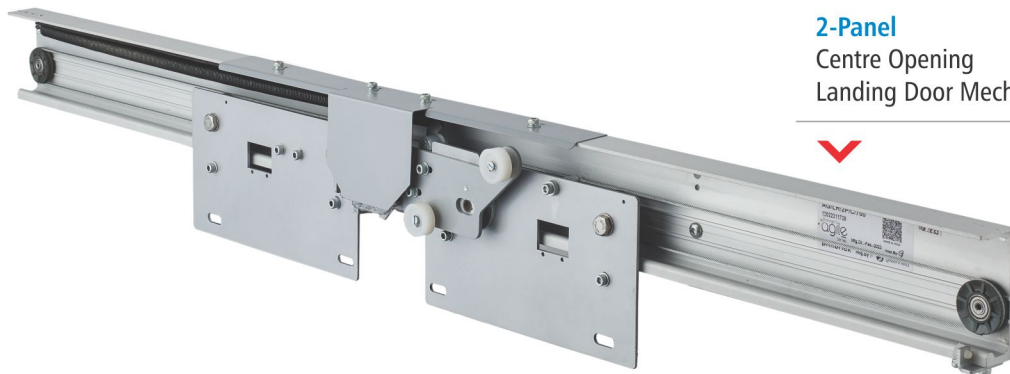
Two Tire Programming



Center Opening



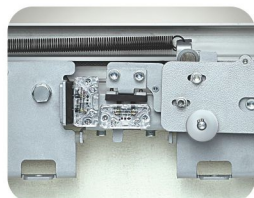
2-Panel  
Centre Opening  
Car Door Mechanism



2-Panel  
Centre Opening  
Landing Door Mechanism



Groove Less Sill



Zero Adjust D-lock

## Side Opening



**2-Panel**  
Side Opening Car Door Mechanism



**2-Panel**  
Side Opening  
Landing Door Mechanism

### > Available Options :

Sr. No.	Type	Available For Opening (mm)	Max. Operator Width (mm)
1	2-Panel Center Opening	600,650,700,750,800,850,900,1000,1100,1200,1300,1400,1500,1600.	(2 x Clear Opening) +20
2	2-Panel Side Opening (Right/Left)	600,650,700,750,800,850,900,1000,1100,1200,1300,1400,1500,1600.	(1.5 x Clear Opening) +50
3	4-Panel Center Opening	Releasing Soon.....	



Groove Less Sill



Track & Roller Cleaners

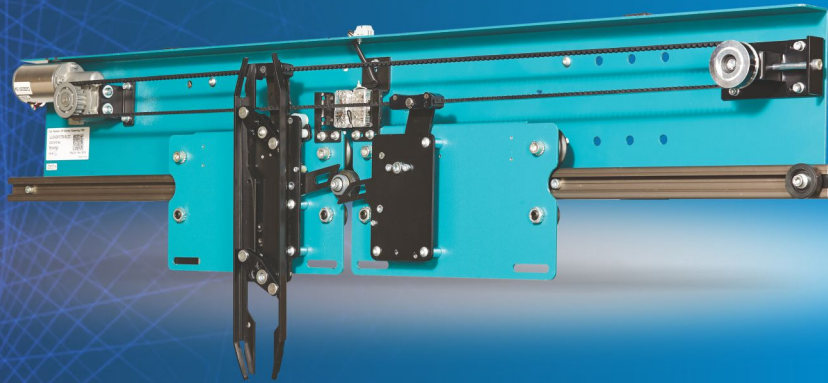


Flexible Wire Rope Type D Locking

Synergy-ultima series Door Mechanism for Automatic Door LIFT gives Smooth , Silent & Safe operation of the Doors by virtue of its ultimate synergy of Electro-Mechanical system.

The product is Designed & Manufactured using advance technology to ease the Installation & quicken the debugging.

The state of the art designed dedicated VVVF Door operator controller accelerates the product synergism.



2-Panel  
Centre Opening  
Car Door Mechanism

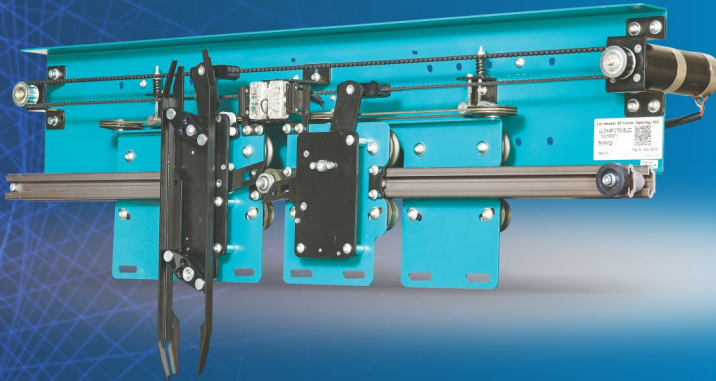
2-Panel  
Centre Opening  
Landing Door Mechanism



2-Panel  
Side Opening  
Car Door Mechanism

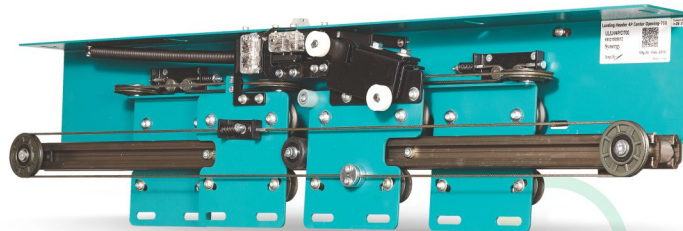
2-Panel  
Side Opening  
Landing Door Mechanism





4-Panel  
Centre Opening  
Car Door Mechanism

4-Panel  
Centre Opening  
Landing Door  
Mechanism



### > Salient Features :

- Rugged Design with reduced overall dimensions.
- Belt driven Car Header for silent operation.
- Wider Belt size for giving higher operating torque
- **Hard Anodized Aluminium Track for quiet operation**
- **Dynamically Auto Learning for variable door weight & Size.**
- Speed control of Skate-Coupler gives noiseless opening / closing.
- Dedicated VVVF gives flexibility of programmable parameters to cater user choice of door operation.
- Continuously monitors operating Torque to give safe operation even in failure of photo sensor.
- Wide Input power supply range gives trouble free operation in power fluctuation.
- Long life door Contacts.
- Adjustable idle pulley with spring tension.
- **Groove less Bottom Sill design to prevent dirt entry and giving attractive look.**
- **Built in Track cleaners & Roller cleaners for long time noiseless operation.**
- Easy installation & faster debugging.
- Field configurable VVVF to interface with various type of main controller panels.

### > Available Options :

Sr. No.	Type	Available For Opening (mm)	Max. Operator Width (mm)
1	2-Panel Centre Opening	650,700,750,800,850,900,1000,1100,1200,1300,1400.	(2 x Clear Opening) + 100
2	2-Panel Side Opening (Right/Left)	650,700,750,800,850,900,1000,1100,1200,1300,1400,1500.	(1.5 x Clear Opening) + 100
3	4-Panel Centre Opening	700,800,900,1000,1100,1200,1300,1400,1500,1600,1800.	1140mm For 700mm Opening
			(1.5 x Clear Opening) + 50



**philbrick**<sup>®</sup>  
PROVIDING ELEVATOR SOLUTIONS







Manufactured using High-tech machinery like CNC Turret Punch, CNC Laser Cutting m/c., CNC Shearing m/c, CNC Bending m/c.

## Doors



- Available in MS Powder Coated / Galvanized Powder Coated and Stainless Steel Material .
- Plain SS or SS cladding over MS sheet doors.
- Flush Doors, Full Vision Glass Doors, Full Glass Doors.
- Different kinds of Vision Cutting patterns in doors .
- Attractive Powder Coating designs with latest technology.
- Available in various kind of SS Designer sheet material.



Plain S.S. Door



Door with Vision Cut



Full Vision Glass Door



Full Glass Door



Titanium Gold Designed With  
Stainless Steel Finish Car.



## Elevator Car

- Homogeneous Bottom & Top Structure with minimum welding joints.
- Available in MS Powder Coated / Galvanized Powder Coated and Stainless Steel Material.
- Customized Design of Various combination of Plain S.S., Designer S.S. Sheet Material, MS Powder Coated etc.



Stainless Steel with  
Mirror Finish Car.



Stainless Steel with  
M.S. Powder Coated Car.



Full Glass Capsule Cabin Square

## Car Frame & Counter Weight Frames



Traction Elevator Car Frame



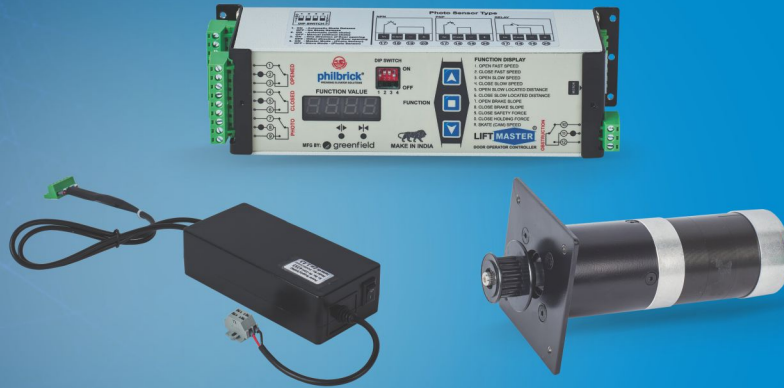
Machine Room Less Elevator  
Car Frame



Hydraulic Car Frame



## Door Operator Controller



LMP66 / LMP110

### LIFT MASTER®

Is a World Class state of the art high end microcontroller based design dedicated solution to suit any type of automatic door operator with almost all sizes of the openings available in the market.

➤ Becomes operational in the blink of an eye ! With any kind of main controller

- **Plug & Start**  
The LIFT MASTER simply takes the control of the doors as soon as it is powered.
- **Self Learning**  
Automatically adapts the Opening & Load parameters of doors by just your finger tip.
- **Flexibility By Programable Parameters**  
Tunes to your imaginations of door functionality by its programmable parameters viz. Opening Full speed, Opening slow speed, Closing full speed, Closing slow speed, Slowing distance while opening, Slowing distance while closing, Braking slope, Safety force, Open holding force, Skate speed, Close holding force etc.
- **Door Status Outputs**  
Relay Contact O/P as per the status of the Door viz. Fully opened, Fully closed, Object , Obstruction.
- **Visibility of All Inputs, Outputs, Operations**  
Displays the status of all I/P s, O/P s & Operations to make you more comfortable while monitoring the operation of the unit.
- **Safety :**  
Dual (Digital & Analog) monitoring of safety force prevents accident while closing the door even in photo safety sensor failure condition.

Model	Description	Application
LMP66-TINY	66 Watt BLDC Motor	Suitable for Small Opening / Light Weight Doors
LMP110	110 Watt BLDC Motor	Suitable for Medium -Large Opening / Medium-Heavy Weight Doors

New  
Launch

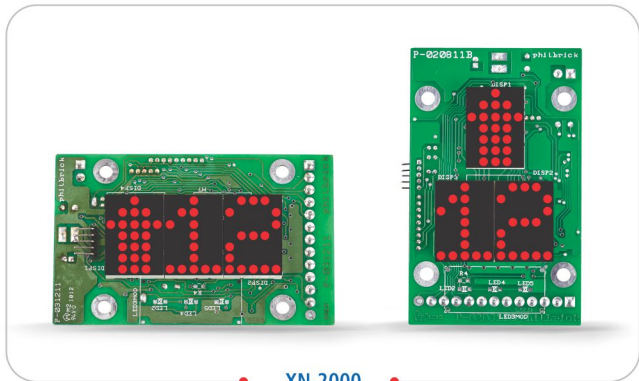
Door Operator  
Controller



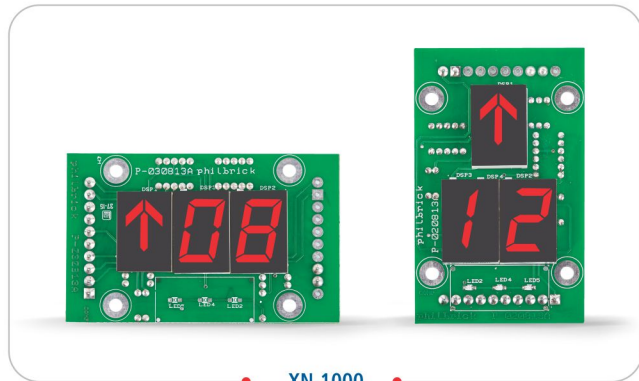
Lift Master Neo Series is an Advance Version of Lift Master with enhanced features.

➤ Salient Features :

- Integrated compact, simplified & cost effective solution with PMSM Motor
- 32 Bit DSP Core Microcontroller Based Design with High Speed Clock
- PMSM Motor for Silent & efficient operation
- Integrated Mono Block Design for more reliable & trouble free operation
- Low Loss Power Control Module Based design for efficient operation
- Two Tier Programming Technique for ease of operation
- Self-diagnostic error Removing technique for fail safe operation
- Two Level Redundant Limit Output for increasing reliability



• **XN-2000** •  
Dot Matrix LED Display



• **XN-1000** •  
Segment Type LED Position / Direction Indicator



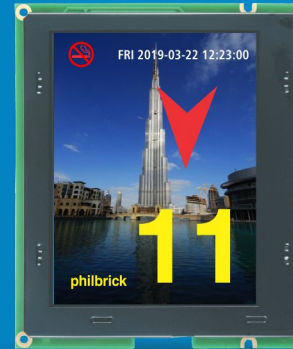
• **XLCD-01** •  
Monochrome 3.5" LCD Display



• **XLCD-02** •  
Monochrome 5.6" LCD Display



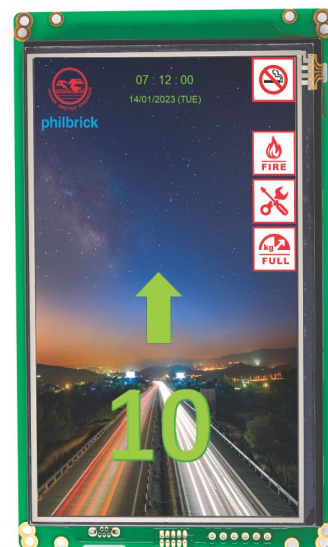
• **XN-4000** •  
Digital Time & Temperature Display



**XTFT-043**  
4.3" Full Color  
TFT Display



**XTFT-070**  
7" Full Color  
TFT Display





# COP & LOP

Car Operating Panel & Landing Operating Panel



Intercom



LOP - RFID



LOP - Intercom



Push Button



SPBL-2010 COP-LOP  
(Available in Black & Silver Frame)



WM-1030 COP-LOP



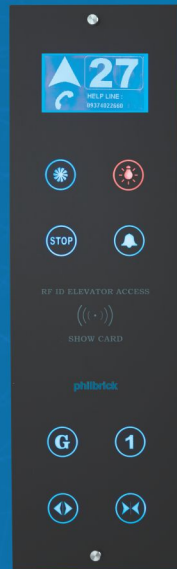
WM-1020 COP-LOP



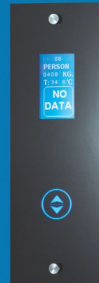
FLP Push Button Station



Secure  
COP



Touch  
COP - RFID



Touch LOP

RFID



EX-3010 COP-LOP



BM-1010 COP-LOP



WM-1060 COP-LOP



**TFT Touch COP**



ES-1015



ES-1007

Touch Pad Car Operating Panel with Color TFT

➤ **Salient Features :**

E-touch is a TFT Based Capacitive Touch Type attractive Graphics designed COP which gives the elegant look to a passenger LIFT. It's attractive user Interface & Lift Position / direction information Display arrangement gives eye catching look.

➤ **Salient Features :**

- 15.0-inch, 1024\*768 pixels resolution OR 7.0-inch, 1024\*600 pixels resolution, 16.7M colours, IPS-TFT-LCD, wide viewing angle.
- Capacitive touch screen.
- Conformal coating on TFT protects the screen.
- Standard Input /output interface Board to suit to almost all type of elevator Control panel



SPCT-1000



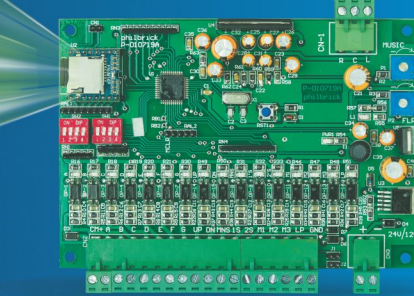
**C-TOUCH**

➤ **Salient Features :**

- Feel of Touch with Low Cost.
- Capacitive Touch Sensing Principle with built in Digital Signal Processing.
- Auto calibration feature for consistent performance in moist weather.
- Flat Surface with customized shapes & sizes of the keys.
- High Bright bi- color LED Backlighting for call registration.
- Free from mechanical wear & tare of button contacts.
- Customized Legend printing with Name, Logo etc.
- Open collector O/P for recognized key press.
- Accepts Open collector O/P for call registration indication.
- ON / OFF type button functionality for LIGHT & FAN.
- Available with Seven Segment, Dot Matrix, Mono LCD, Full Color TFT.
- Parallel / Serial Interface option available.



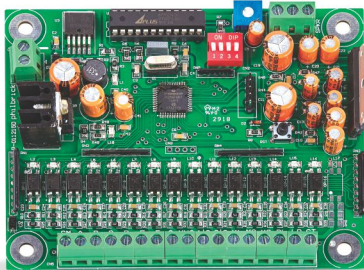
Voice  
Announcement  
System



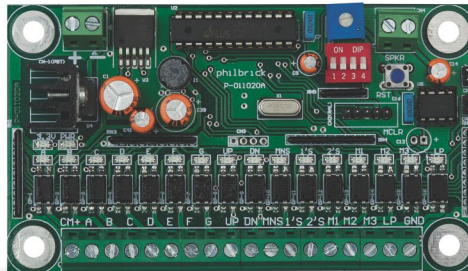
**FA-250**  
Mp3 Elevator Voice Announcing System  
with stereo output & Micro SD card interface



**dB-PCD**  
Close Door Announcer



**FA-50**  
Elevator Announcing System



**FA-20**  
Elevator Announcing System

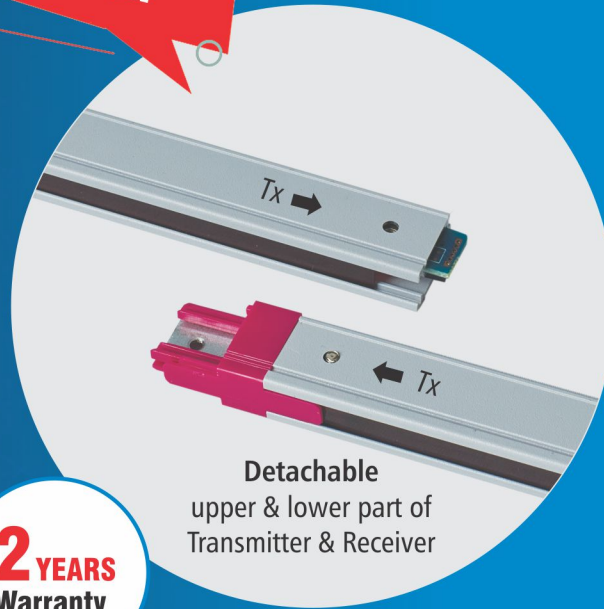


**dB-ALM**  
Emergency Alarm



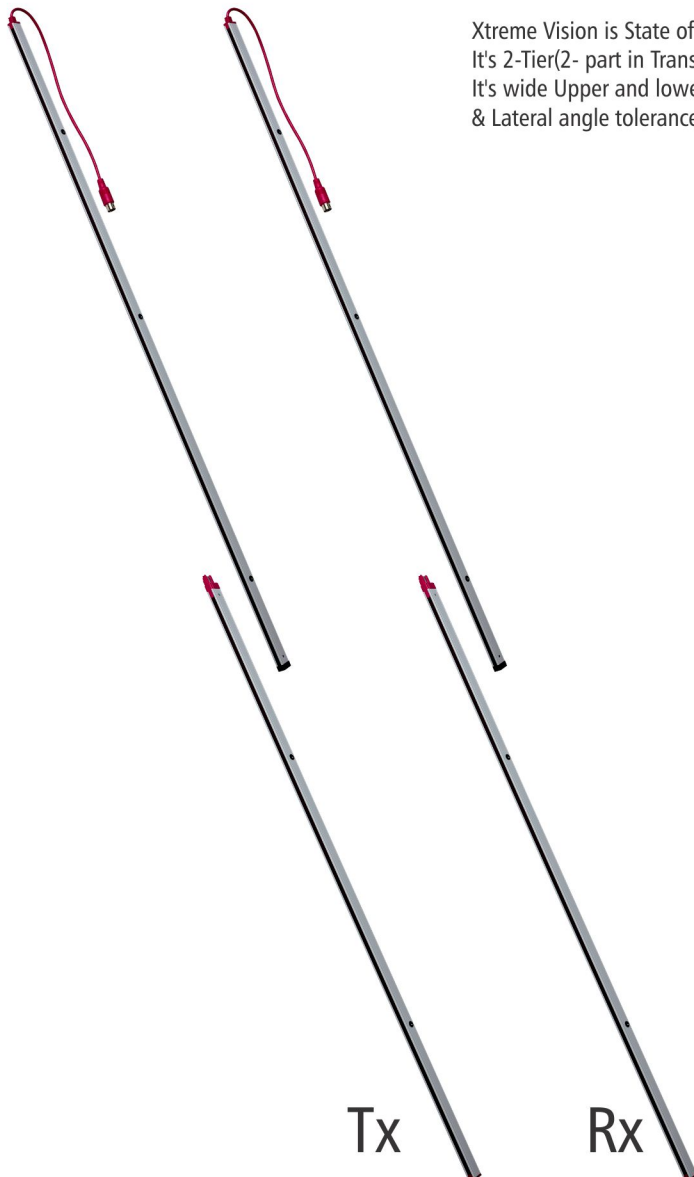
**dB-GNG**  
Elevator Gong

**New  
Launch**



**Detachable**  
upper & lower part of  
Transmitter & Receiver

**2 YEARS**  
Warranty



Xtreme Vision is State of the art design 2-tier type Elevator Safety Light curtain. It's 2-Tier(2- part in Transmitter & 2-part in receiver ) design eases the handling of the unit. It's wide Upper and lower tolerance , Longitudinal angle tolerance, Front and rear tolerance & Lateral angle tolerance gives more installation flexibility.

> **Salient Features :**

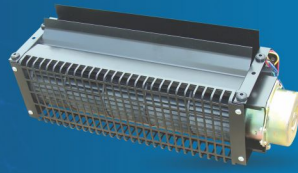
- 32 pairs Diodes
- 59mm Infrared tube spacing
- 154 nos Maximum beam numbers
- $\geq 1850\text{mm}$  Highest beam height
- $\geq 20\text{mm}$  Lowest beam height
- 0-4000mm Detection distance
- $\leq 60\text{ms}$  Reaction time
- 20 million times door open/close Working life

> **3. Installation tolerance**

- $\pm 20\text{mm}$  Upper and lower tolerance
- $\pm 7^\circ$  Longitudinal angle tolerance
- $\pm 3\text{mm}$  Front and rear tolerance
- $\pm 5^\circ$  Lateral angle tolerance



# Accessories



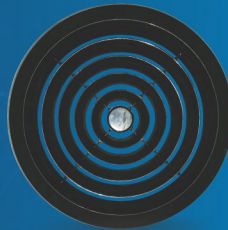
Blower Fan



Round Fan



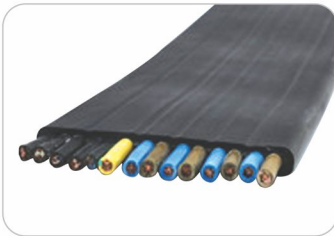
LED Lights



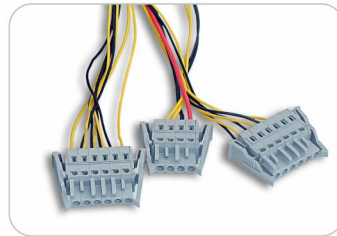
Fan Grill Round



Fan Grill Square



Flat Cable



Wire Harness



Magnets & Magnet Fixture



Overload Sensor



Pencil Reed



Photo Switch



Limit & Limit Fixture



Inspection & Junction Box



Pit & Fireman Switch



**philbrick**<sup>®</sup>  
PROVIDING ELEVATOR SOLUTIONS



Reach Your Target  
Customer  
Quickly with  
Our Direct  
Response Service

## Our Domestic Business





philbrick recommends  
RoHS compliant products.

**MY EARTH GREEN EARTH**

philbrick encourages green earth movement by less utilization of paper,  
promoting electronics media. For detail specification of product  
visit [www.philbrickindia.com](http://www.philbrickindia.com)



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Web : [www.philbrickindia.com](http://www.philbrickindia.com)

- Elevator Control Panel, Integrated Control Panel, ARD, Lift Master Door Operator Controller, Synergy Auto Door Header, Dot Matrix, LCD Displays, TFT Displays, Voice Ann. System, Touch Panel, COPs, LOPs, Elevator Access Control, Light Curtain Sensor.
- Timers, Temp. Programmer. PLC, Scada & Automation Panels. MCC, PCC Panels.

philbrick has a policy of the continuous improvement of performance and range of our products and therefore the Company retains the right to modify products, data and dimensions without prior notice.



philbrick



LiftNxt



LiftSetu

