

Pyrotech's Smart & Reliable Solution for Lighting



Lighting Distribution Boards & Panel



Lighting Distribution Boards & Lighting Panel

We have firmly positioned ourselves as one of the leading Lighting Panels Manufacturers, Exporters, and Suppliers based in India. The Lighting Panels that we offer find their application in various industries for efficiently distributing power for the lighting system of plants. Our collection of Lighting Panels comprises Indoor Lighting Panel and Outdoor Lighting Panel. These Lighting Panels are precision engineered using technologically advanced tools and machinery.

Salient Features

- Distribution Boards like MLDB, LDB comprises Lighting/ Isolation Transformers up to rating 250kVA.
- As per standard IS8623 & IEC 60439
- Lighting Board are fully compartmentalized module Fixed Type design.
- Size: 2300/2000(H) x 850(W) x 600/450(D) & Transformer's chamber size depends on its rating.
- Transformer Chamber have sufficient louvers for cooling Purpose having IP -41 & rest of Panel is more than IP 52.
- Optimized for both Aluminium and Copper bus bars.
- Lighting Panels are generally Non-Compartmentalized with four Wall mounting Brackets.
- Lighting Panels with IP-55 to IP65 having Canopy with proper earth-ing bolts at both side of Junction box.
- LDB & LPs are processed from hot 7 Tank process, well powder coated.
- All doors are hinged type for ease of removal during maintenance.
- PU Foam Gasket in all doors & covers.
- Type Tested at ERDA.
- We have certificates for IP & Short Circuit etc.

Sizes no bar and as per customers demand or depends on rating, switchgear, outgoings etc

- *Robust Construction*
- *Corrosion Resistant*
- *Superior Quality*
- *Durable Life*
- *Meeting International Standard*
- *Modular Design*
- *Approved by NTPC / BHEL / MECON / EIL / TCS & all major OEMS*

We offer high quality Outdoor & Indoor Lighting Panels, which are available in varied specifications as per client's requirements. The Outdoor Lighting Panel offered by us is very durable and is cost effective.

Main Lighting Distribution Boards

Suitable for Indoor & Outdoor Applications

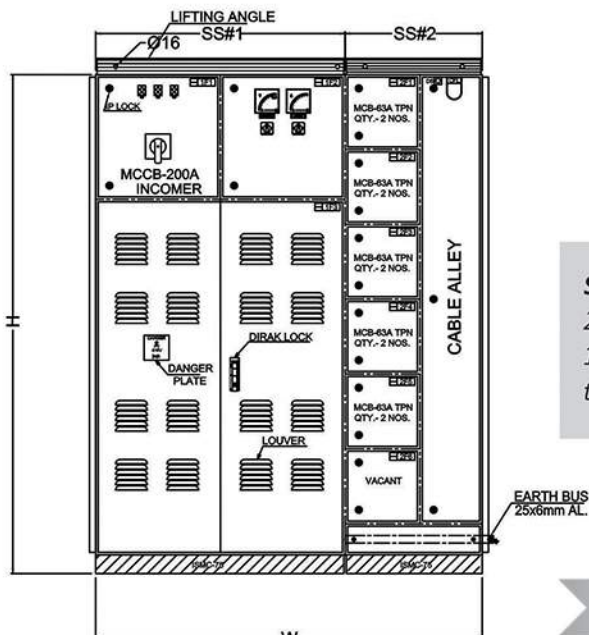


Key Features

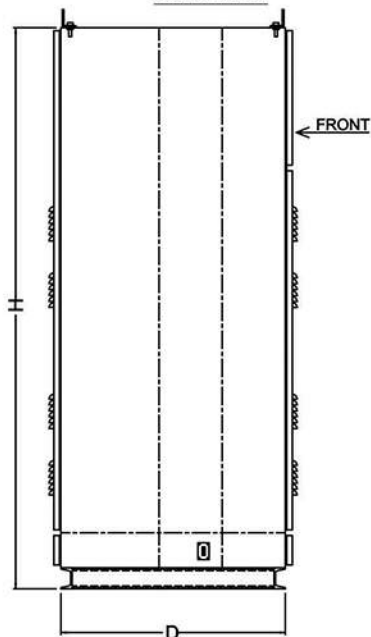
- Modular Design Compartmentalize - up to form 4.
- We have provision for IP 52,54 & IP 41,43 for Transformer chamber
- Standard Paint Shades are RAL 7032, RAL 7035 or Shade 631 of IS 5 as per BHEL standard.
- Microns are more than 60
- Door are of 1.6/2 mm & Load bearing members are made of 2 mm CRCA sheet / GI Sheet
- Gland plate will be made of 3 mm CRCA sheet & Mounting Plate
- Processed from 9 Tank procedure & High quality powder coating for excellent finish & durability.
- Sufficient Louvers up to IP 55 are provided in Transformer Chamber.
- PU Gasket ensuring higher degree of ingress protection.
- Manufactured on CNC Amada Punch Press for higher precision, finish and repeated accuracy.
- Lifting channel provided as standard (instead of Eye Bolt) for higher load carrying capacity.



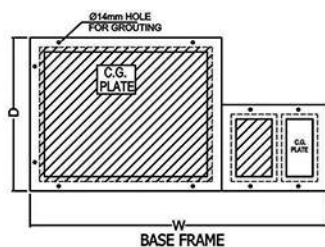
GA Structural Design



FRONT VIEW



SIDE VIEW



BASE FRAME

Standard Dimensions :

2000/2300mm (H) X 850mm (D) X 450mm (D) & 1000mm (D) for transformer chamber and Width of transformer chamber depends on Rating of transformer.

Construction Features

Construction Type	3b / 4b
Structure & Load	14 Gauge / 2 mm
Bearing Member	
Door	16 Gauge / 1.6 mm
Partition	16 Gauge / 1.6 mm
Base	ISMC Channel of 75/100 mm
Locking	IP Lock / 3 Point Lock
Gasket	PU Foam / Neoprene Gasket
Ventilation	Louvers / Fan Provision
Paint Finish	RAL 7035, RAL 7032 Structure

Technical Features

Rated Voltage	415 V AC
Frequency	50 HZ.
Voltage Learn	± 10%
Freq. Tolerance	± 10%
Short Circuit with Stand	Up to 50 KA
Ambient Temp.	50°C
DOP	IP 42 for transformer & IP 54 for Panel



Incomer



Metering Box



Out Going



Cable Alley

Internal Connections

NOTE :

Internal connection will be done with Copper links / PVC insulated flexible copper wire 1100 volts grade having identification ferrules marked on both ends of wire of following sizes :

POWER

- Upto 160 A - PVC Multistrand Flexible Copper Cable, 1100 v grade.
- Above 160 A - Al & Cu Bus Bar

CONTROL

- CT Circuit - 2.5 sq. mm PVC Multistrand Flexible Copper Cable, 1100 v grade.
- Control - Grey - 2.5 / 1.5 sq. mm PVC Copper Cable
- Earth - Green

Lighting Panels

Standard Dimensions

S#	Size in mm		
	Height	Width	Depth
1	600	600	200/300
2	800	800	300
3	900	900	300
4	1000	1000	300

Key Features

- LP, as per IS 8623 & IS 60439
- LP suitable for indoor / outdoor applications
- Wall mounted & column mounted
- Single / Double Door provision
- IP up to 65
- Cable Entry :Top / Bottom

Construction Features

- Fabricated from 1.6/2mm CRCA sheet steel
- Foamed in PU gasket / Neoprene gasket
- Hinged door, opening angle 120 degree
- Cable gland plate 2mm / 3mm provided at top / bottom
- IP Lock arrangement
- Powder coated RAL 7035/7032 Structure finish or as per customer requirement
- Mounting plate made up to 2mm CRCA/GI



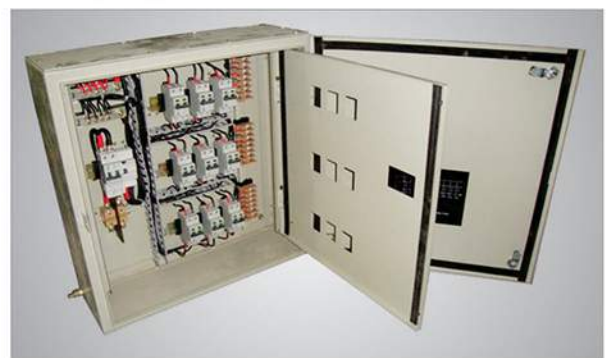
IP-55 Lighting Panel



Outdoor Lighting Panel with Canopy

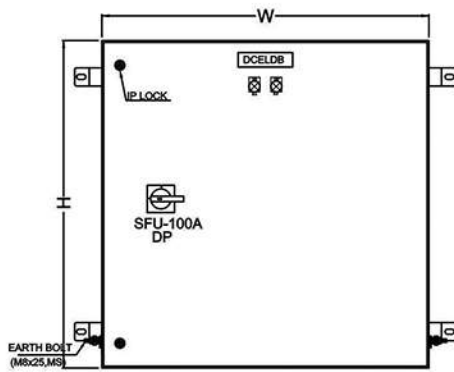


Indoor Lighting Panel

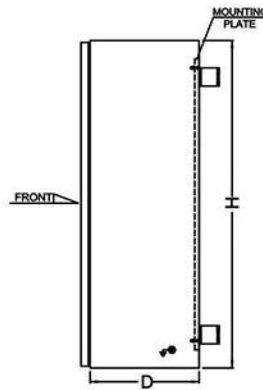


Double Door Lighting Panel (Outdoor)

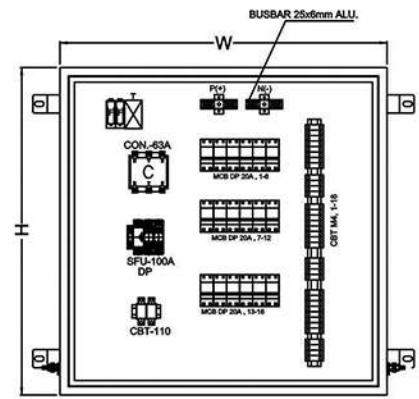
Emergency Lighting Panel



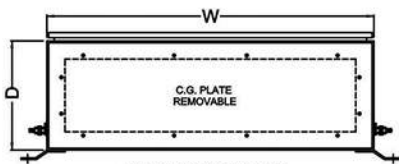
FRONT VIEW



SIDE VIEW



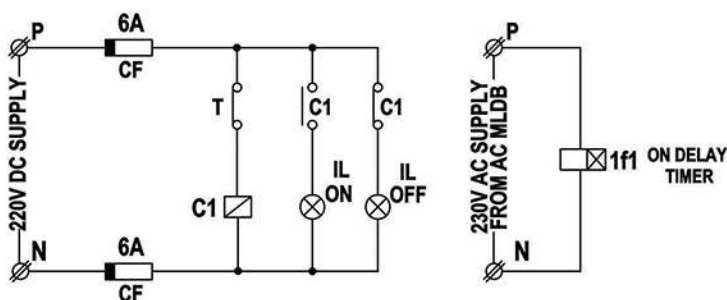
INTERNAL FRONT VIEW



TOP & BOTTOM VIEW



Control Circuit

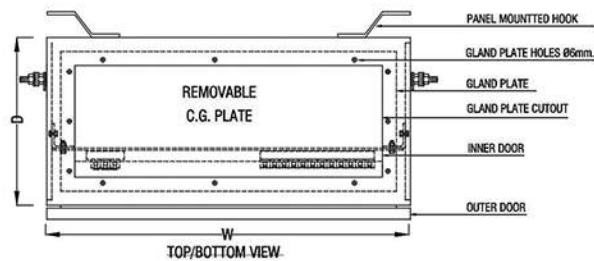
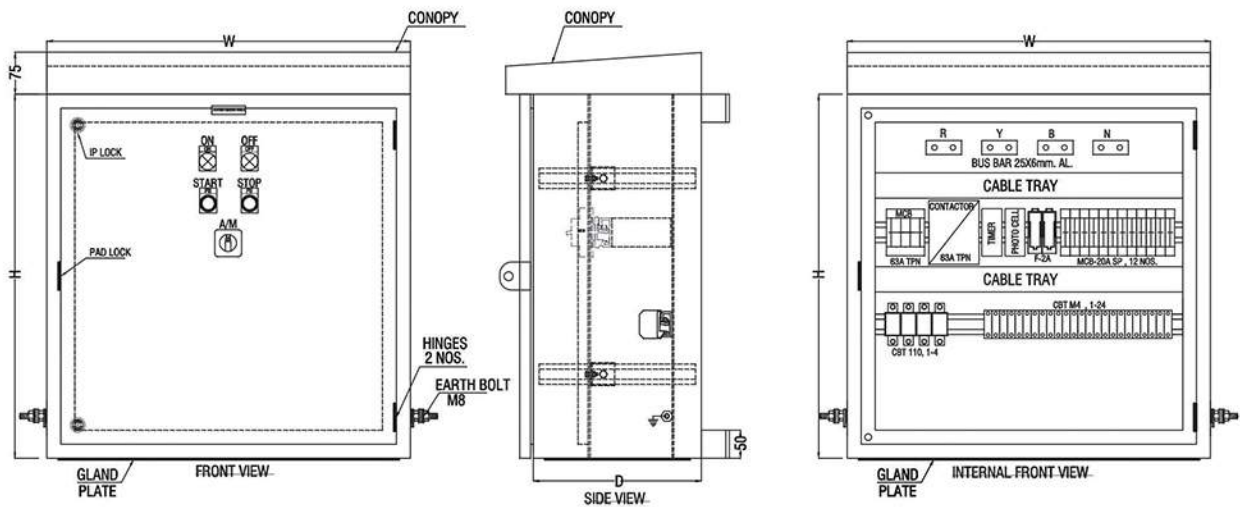


On failure of AC supply the DC contactor in DCELD8 will be energised immediately through the NC contact of timer connected with AC MLDB 230V AC supply and the DC supply will restore for lighting . When AC supply restore the ON DELAY timer NC contact operate after delay time 5 sec and the DC contactor coil deenergised & DC supply OFF.

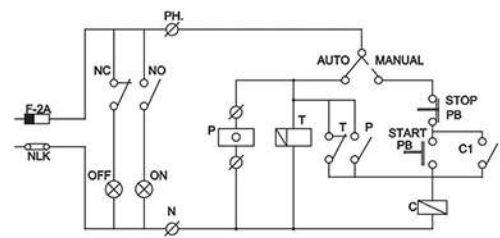
Outdoor Type
Lighting
Panel ▶ Up to IP 65



Street Lighting Panel



Circuit



LED Lights

Features

- Retrofit solutions available
- Die-Cast aluminium housing
- Toughened type 'A' glass
- Flameproof/Non Flameproof enclosure
- Optimum thermal management
- High brightness power LED



Flame Proof Well Glass

PF-11-D-L-1XOA
24x1/32x1W LED
230V AC
Without Lens
240(f)x160(D) mm
Power: 30/40W



Non Flame Proof Well Glass

PF-11-P-L-1XOD
24x1/32x1W LED
230V AC
Without Lens
160(f)x165(D) mm
Power: 30/40W



Hand Lamp

PK-11-E-5-1XOA
5x1W LED
24V AC/DC
8°/15°/25°/45°/60° Lens
90(f)x220(H) mm
Power: 7W



Flood Light

PD-17-P-L-1XOA
112x1W LED
230V AC/24V DC
8°/15°/25°/45°/60° Lens
255(W)x250(H) 80mm
Power: 150W



Tube Light (T8)

PC-14-D-L-0.2XOA
96x0.2
230V AC
1200 mm
Power: 19 W



Tube Light (T5)

PC-14-D-L-0.2XOA
96x0.2
230V AC
1200 mm
Power: 19 W

LED Street Lights

Features

- Power efficiency > 80 %
- Power factor > 0.9
- Die-Cast aluminium housing
- Optimum thermal management
- Short circuit & open circuit
- Protection on driver
- IP-66



Mini Street Light

PE-11-D-L-1XOA
24x1/32x1W LED
230V AC
8°/15°/25°/45°/60° Lens
140(W)x442(H)x58(D) mm
Power: 30W/40W



Midi Street Light

PE-11-D-L-1XOA
48x1/64x1W LED
230V AC
8°/15°/25°/45°/60° Lens
200(W)x425(H)x55(D) mm
Power: 60/80W



Maxi Street Light

PE-11-D-L-1XOA
96x1/128x1W LED
230V AC
8°/15°/25°/45°/60° Lens
300(W)x640(H)x90(D) mm
Power: 120/160W



Solar Street Light

PH-11-A-L-1XOA
9x1/12x1W LED
12V DC
8°/15°/25°/45°/60° Lens
55(W)x430(H)x105(D) mm
Power: 11.5W/15W



Solar Street Light with Panel

PH-11-A-L-1XOA
9x1/12x1W LED
12V DC
8°/15°/25°/45°/60° Lens
55(W)x430(H)x105(D) mm
Power: 11.5W/15W

**IP 66,
SURGE,
LM-79,
IS 10322,
IEC
CERTIFIED**

Lighting Poles



Pyrotech has manufacturing various type of Poles using indigenously developed proven technology since 2008. Our poles's are rugged, maintenance free, corrosion free and easy to install. Poles manufacturing process includes Cutting, Bending, Welding, Galvanisation, Painting. Assembling which is performed on World class machines with highly skilled manpower.

Features

- Hot dipped galvanised, round shape steel pole.
- Use of weathering steel material which form a strong oxide to retard further corrosion.
- Easy to install and maintenance free.
- Sleek, aesthetically impressive and elegant.
- Robust construction.
- Ideal for corrosive atmosphere due to hot dip galvanising.
- Camouflaged junction box and electronic control gears.
- Electrical safe with inside cable termination and earth connection.
- Pilferage proof due to weatherproof flush door and locking facility.
- Could be customized on requirement of bulk quantity.
- Designed in accordance with ISS publication i.e. Standard specification for structure support for Highways signs, Luminaries and Traffic signal.
- Special coating of Corrocate II classic is applied for embedded portion of poles with black bitumen paint upto height of 1.5 mtr from bottom.
- In general pipe size is upto NB 150 mm are used as per IS-1239 part(1) 2004 & above NB 150 mm are as per IS-3589 class 'B' medium weight.



Major clients who believes in us...



Our Product Range

- | | | | |
|--|--|--|---|
| <ul style="list-style-type: none"> • Shelter • Mosaic Desk • Console Desk • Bare Panel IP-65 • PLC Panel • Mosaic Minic Panel • Local Control Station • FRP Box • LIE - LIR | <ul style="list-style-type: none"> • Power Distribution Box • Purge & Ex-proof • Acrylic Mimic • NG / LAVT Cubicle • Generator Control Panel • MCC / PCC / IMCC • CT Box • APFC Panel • Bus Duct (NSPD) | <ul style="list-style-type: none"> • Soft Starter Panel • Synchronization Panel • HT Panel • Large Video Screen • Networking Panel • Bare Panel IP-55 • Junction Box • Control & Relay Panels • Alcosy Control Desk | <ul style="list-style-type: none"> • Metering Panel • Metering Box • Marshalling Panels • EMI/RFI Compliant Panel • Universal Test Bench • Push Button Station • 19" Racks • Control Room Interiors |
|--|--|--|---|



PYROTECH ELECTRONICS PVT. LTD. - UNIT II



SOLAR PLANT



PYROTECH ELECTRONICS PVT. LTD. - UNIT IV



www.pyrotechindia.com

An ISO 9001, EMS 14001, OHSAS 18001 Company

PYROTECH ELECTRONICS PVT. LTD. - UNIT IV

A-193, Mewar Industrial Area, Madri, Udaipur-313003, Rajasthan, India

Pyrotech Electronics Pvt. Ltd was established in 1976 at Udaipur, Rajasthan having more than 35 years experience in Turnkey control room interiors, Mosaic Panels & Desks, Control Panels & Desks, other Industrial Panels, Junction Boxes & Racks and more than 10 years experience of Supply, Installation & Commissioning in video wall market. We have our reach to the Power, Energy G/D/T, Oil & Gas, Metal, Transport, Defense & Cement industries etc. .

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- | | | |
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