



**C&S ELECTRIC LTD.**

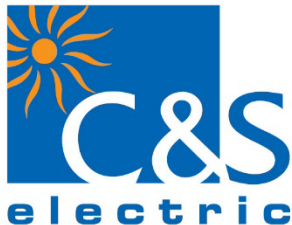
We touch your electricity everyday!

## C&S ELECTRIC LTD.

C&S Electric Ltd. is one of the leading manufacturer of electrical and electronic equipment in India. It is one of India's largest exporter of industrial switchgear & power busbar products. C&S Electric products are used in applications ranging from power generation, transmission and distribution, protection and final consumption.

C&S Electric has the following main product verticals:

- LV Switchgear
- LV Switchboards
- LV & MV Busducts
- LV Bustrunking
- Protection and Measurement Devices



### MARKET LEADER

C&S is one of the leading supplier in the LV Switchgear business segment and a market leader in the busbar business with more than 50% share in Indian market.

### 11 MANUFACTURING PLANTS

C&S Electric have 11 state-of-the-art manufacturing facilities in Noida & Haridwar, which are equipped with latest tools and systems to ensure highest level of quality and services.

### 600+ STOCKISTS

A dedicated network of channel partners, ensuring access to the farthest corners of India, with an obsession for customer services. In addition C&S products are available in 8000+ retail counters nationally.

### EXPORTS TO OVER 85 COUNTRIES

C&S exports the entire range of products across all 7 continents, thus reaffirming its position as one of India's largest exporters of industrial electrical products.

### 4500+ WORKFORCE

4500+ Workforce including over 419 engineers, dedicated sales team of 480 people & millions of satisfied customers.

### R&D

4 Govt. approved labs, over 20,000 sqft. space dedicated to R&D, 70 R&D engineers, state of the art testing & design facilities ... & most of the all a passion for innovation & excellence.

# OUR VISION, MISSION & VALUES



## OUR VISION

Be the most Trusted and preferred choice as a Value Driven Brand for our customers.



## OUR VALUES

- We are Responsible
- We are Innovative
- We work for Excellence
- We share the Joy



## OUR MISSION

We will continuously innovate and deploy transformative actions to maintain our cost leadership, achieve the highest value satisfaction for our internal & external customers and to make "Made in India" a respected label world over...

# ACROSS THE VALUE CHAIN OF POWER MANAGEMENT SOLUTIONS

## C&S PRODUCT PORTFOLIO



# 11

## MANUFACTURING PLANTS

- Locations in Noida & Haridwar
- Dedicated logistics warehouses - Noida, Indore, Ahmedabad, Bangaluru and Ranchi
- 1,000,000 sq.ft. covered area
- Latest process, precision tools, machinery & testing equipment

### MORE THAN FIVE DECADES OF MANUFACTURING WORLD-CLASS PRODUCTS



C&S Electric Manufacturing Campus - Haridwar, India



C&S TC Plant - Noida, India



C&S Busduct Plant - Haridwar, India



World-class Tools & Machinery



ACB Assembly Line



State-of-the-art Machinery

## MORE THAN FIVE DECADES OF SERVING INDIA



### Power Generation

- Market leader in power generation business for busbar systems and switchboards
- Approved by all major power consultants like DCPL, TCE, Desein, etc.



### OEMs

- One of India's largest suppliers of controlgear components to OEM segment
- The world's leading windmills and locomotives manufacturers use C&S components
- One of India's leading suppliers to all major telecom shelter manufacturers
- The world's largest manufacturer of elevators relies on C&S products
- India's largest capacitor and power correction equipment manufacturer relies on only C&S contactors
- 90% of NTPC Power Plants use C&S products



### Distribution & Transmission

- Leading supplier in city power distribution - BSES, TPDDL, MSEB, etc.
- Leading supplier of relays and control panels for grid reliability and protection



### Infrastructure

- 13 out of 15 commonwealth game stadiums were powered by C&S
- India's first F1 race stadium is powered by C&S solutions
- India's tallest buildings are powered with C&S solutions
- India's major Airports and Railway Stations use C&S products
- India's biggest realtors like DLF, Ansal, Omaxe, Lodha, NCCL, ERA, etc. use C&S products



### Industries

- Significant presence in all heavy industries like Oil & Gas, Metal and Cement Industries
- India's biggest refinery developed by Indian Oil Corporation at Paradip uses C&S products
- C&S busbars are changing the way electrical insulation is done in Indian Industries
- Some of our major customers include Vizag Steel, Salem Steel, Hindalco, Ultratech Cement, Ambuja Cement, Shell, Doosan, etc.
- Offshore platforms in India and across the world prefer C&S solutions



### Commercial / Domestic

- India's major buildings and malls use C&S bus bars
- Complete range of MCBs & DBs - a real 10KA solution
- Products designed for the highest level of safety and reliability
- Wiring accessories to cater to all applications like IT, hospitality, residential apartments, etc.
- India's fastest growing motor starter for agricultural applications

## PASSION FOR INNOVATION & EXCELLENCE



State-of-the-art testing equipment



India's only 30,000A test center

### More Than Five Decades of Obsession With Quality

- 4 Government accredited R&D labs / centres
- More than 70 engineers are involved in creating world-class products
- More than 25% of current revenue (2021-22) are derived from products developed over last 5 years
- Dedicated teams for new product development, product life cycle management and value engineering
- State-of-the-art design, engineering & proto-typing tools and resources
- UL approved lab for testing of controlgear products
- India's only 30,000A test center for busbar products



**WINmaster**  
Air Circuit Breaker



**WINtrip**  
MCBs, RCCBs & DBs



**Elusio**  
Switches



**robustA**  
Contactor



**WINbreak1**  
MCCB



**ANMOL**  
motor starter  
Motor Starter



Protection  
Relay



Track Busways

## MAKING “MADE IN INDIA” A RESPECTED BRAND

Export\* business contributes to 30% of our total revenue

- Global supplier of power busbar products
- One of India's biggest exporters for industrial power distribution & control equipment
- Exports to 85 countries, present across all continents
- India's most trusted & preferred supplier by many big international clients

More than 5 decades of delighting customers in India and abroad





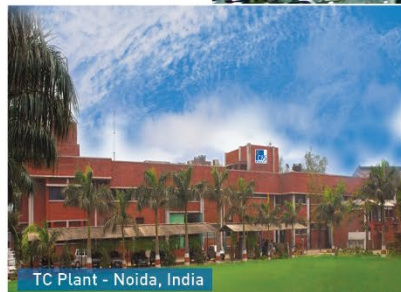
## PAN INDIA RETAIL NETWORK

600+ Stockists, 300+ Retail Distributors, 8000+ Retail Outlets,  
11000+ Electricians



# LOW VOLTAGE COMPONENTS BUSINESS

- Amongst the leading players in the domestic market
- One of India's leading suppliers in OEM and power segment
- Comprehensive product range with global approvals (UL, CSA, CB, CCC)
- One of India's largest exporters for LV switchgear
- Approved by major national consultants and Govt. customers
- Strong customer relations with global MNCs like GE, ABB, EATON etc.
- Loyal and expanding network of over 600+ dealers
- C&S products are available across over 8000+ retail counters nationally
- 24 National sales offices
- 3 Government approved R&D labs / centres



# POWER DISTRIBUTION PRODUCTS

- Leadership in city power distribution, amongs the largest supplier to BSES, Tata Power - DDL, MSEB, MCD etc.
- Approved by all major power utilities and EPC contractors – NTPC, BHEL, GMR, JSW, Adani, REL, BGR etc.



WiNmaster3 ACB



WiNbreak MCCB



Changeover Switch



HRC fuse



## Product Range

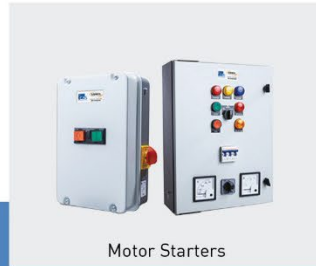
- Air Circuit Breakers : 630A ~ 6300A
- Moulded Case Circuit Breakers : 15A ~ 1600A
- Switch Disconnecter Fuses : 32A ~ 800A
- Switch Disconnectors : 25A ~ 3150A
- Changeover & Bypass Switches : 63A ~ 3150A
- HRC Fuse Links & Bases upto 800A

# POWER CONTROL PRODUCTS

- Leading windmill manufacturers across the world use C&S products
- OEM leaderships – One of the largest supplier of controlgear components
- Dominance in city power management
- One of the leading component supplier to industries
- One of the leading player in Agro Segment



Power Contactors



Motor Starters



Control & Signaling Devices



Industrial Plugs & Sockets



## Product Range

- robusta Power Contactors : 7A ~ 2600A
- Mini Contactors : 6A ~ 16A
- Capacitor Duty Contactors : 2.5KVAR ~ 75KVAR
- Definite Purpose Contactors FLA : 20A, 25A, 30A, 40A (1P, 2P & 3P)
- Agro 2 Pole & 4 Pole Contactors : 20A, 25A & 40A
- Motor Protection Circuit Breakers : 0.1A ~ 100A
- Control & Signaling Devices
- Anmol Submersible Pump Starters Unit upto 75A
- Industrial Plugs & Sockets : 3 Pin & 5 Pin, 16A~125A
- Industrial Motor Starters upto 350HP

# FINAL POWER DISTRIBUTION

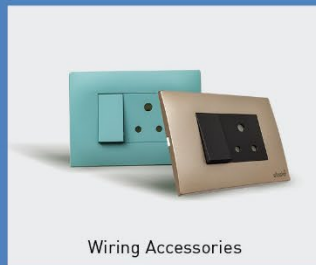
- India's tallest buildings use C&S MCBs to manage their power distribution
- India's major realtors like Ansal, Lodha, Adani use C&S products
- OEM supplier to major power backup companies like Sukam, Sudhir Genset, ACME, Jackson etc.
- Complete range of wiring devices and accessories for domestic, hotel, commercial and outdoor applications - a blend of design, aesthetic, safety and functionality



MCB & RCCB



Distribution Boards



Wiring Accessories



Weather Proof Enclosures



## Product Range

### Miniature Circuit Breakers:

- Rating : 0.5A-125A, 1P, 1P+N, 2P, 3P, 3P+N & 4P; Trip Type B, C & D
- DC MCB Rating : 0.5A-63A, 1P & 2P
- Isolator & MCB changeover switches

### Residual Current Circuit Breakers:

- Complete range - 10A-100A, 30A, 100A & 300mA, 2P & 4P

### Distribution Boards:

- Wide range inclusive of SPN/TPN, Single & Double door in all variants i.e. Horizontal, Vertical, PPI, Phase Selector, VTPN with MCB or MCCB as incomer, 7-Segment, Flexi (Tier), Acrylic, TV/Telephone, Plug & Socket, Cable End Box distribution boards
- Metal & Plastic enclosures

### Wiring Accessories:

- Modular Switches, Sockets, Fan Regulators & Accessories
- IP40 & IP55 Weatherproof Enclosures

# LOW VOLTAGE SWITCHBOARD BUSINESS

- Over five decades of successful track record – presence in over 80% of all major power plants in India
- Market leader in Indian power segment
- Growing presence in Oil & Gas, Cement and Steel segment
- Long standing relationships with all major power utilities and EPC contractors like NTPC, BHEL, TATA, Adani, JSW, LANCO, BGR, GMR, REL, Alstom, ABB etc.
- World class manufacturing plant at Noida.
- India's first bolted type design - fully type tested up to 65KA for fixed and draw out type panels
- Engineered solutions for extensive applications of PCC and MCC



## MEDIUM VOLTAGE BUSBAR BUSINESS - Isobar

- C&S is one of the global leader in design, manufacturing, erection, & commissioning of all variants of busducts for power generation & distribution
- Wide range of products:
  - Isolated Phase Busducts (IPB)
  - Segregated Phase Busduct (SPB)
  - Non-Segregated Phase Busduct (NSPB)
  - Auxiliary Equipment & Systems
- State of art manufacturing plant at Haridwar, India
- The Haridwar Plant is India's largest for medium voltage Busduct with in-house facilities for heat run test upto 30,000A and Impulse test upto 200kV



# LV & MV BUSDUCTS

## Isobar

- C&S has supplied 500+ sets of IPB with generating capacity of 150+ GW ranging from 80MW to 800MW power plants.
- Excellent track record of having associated with thermal power plants, hydro power plants & nuclear power plants in India and abroad.
- The majority of power generated in India flows through C&S isobar busducts.
- Long standing relationships with all major power utilities & EPC contractors like NTPC, BHEL, TATA, ADANI, GMR, REL, GE (Alstom), ABB etc.



Isolated Phase Busduct



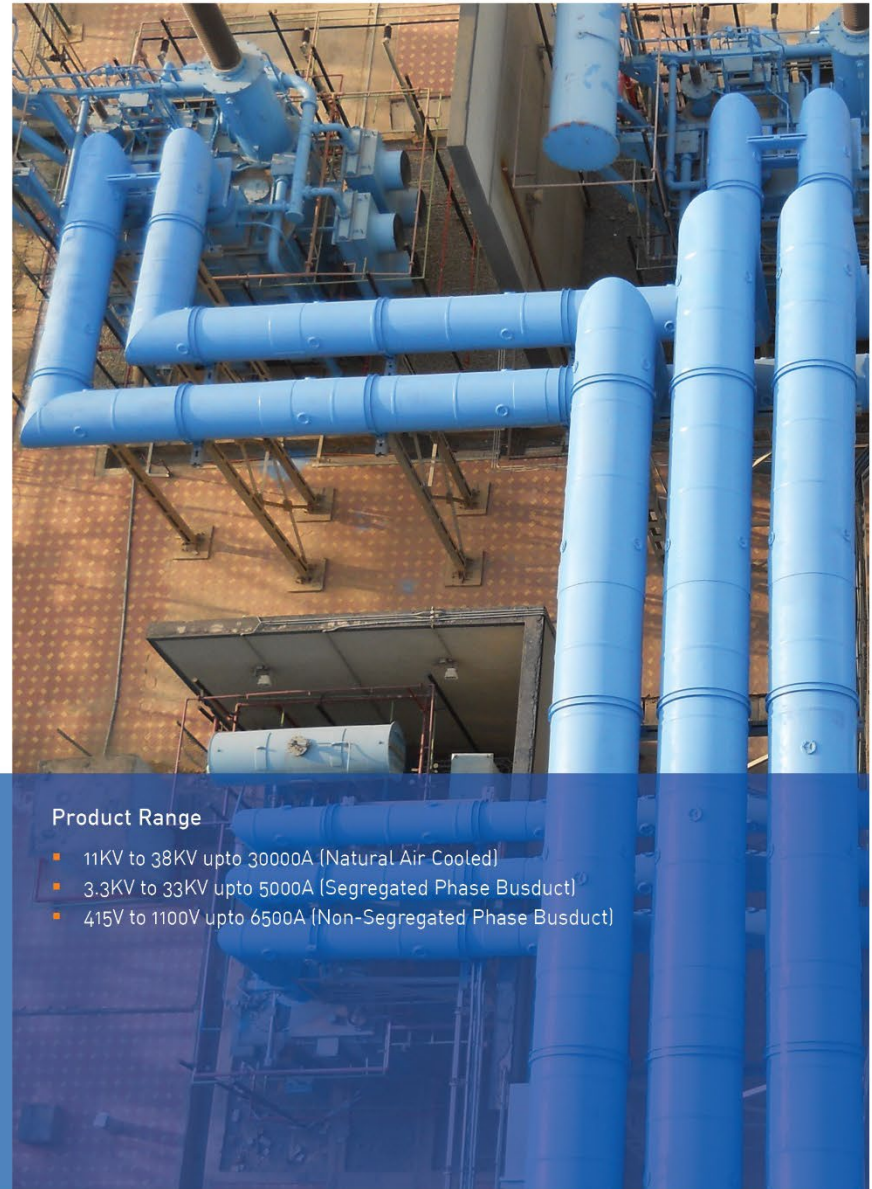
Generator Auxiliary Compartment (GAC)



Segregated Phase Busduct



Non-Segregated Phase Busduct



### Product Range

- 11KV to 38KV upto 30000A (Natural Air Cooled)
- 3.3KV to 33KV upto 5000A (Segregated Phase Busduct)
- 415V to 1100V upto 6500A (Non-Segregated Phase Busduct)



## LOW VOLTAGE BUSBAR BUSINESS - metabar

- Domestic market leader with combination of supreme range
- Only domestic player with complete design, engineering, manufacturing, installation and commissioning capabilities
- State of the art manufacturing plants in Haridwar & government approved R&D centre in Noida
- Our skilled teams help users to select, specify, design, order, Install and commission the products
- Preferred choice of all the major government and private consultants, contractors and end users
- Worldwide installation references



# LV BUSTRUNKING

## metabar

- Metabar is an efficient safe and flexible system of power distribution for Industries, Power Plants, Airports & all infrastructures
- Low Impedance, Low Voltage drop & High Short Circuit capacity
- Fire protection as per IEC60332-3-10, IEC 60331-21 & ISO834-1
- UNIBLOCK Joint to couple the undrilled busbars of two sections in case of Compact Air & Sandwich Bustrunking
- PUSHFIT Joint to couple the two sections in case of Lighting Bustrunking.
- Degree of protection: IP54 / IP55 & IP65/ IP66 (On Request)
- Seismic Compliance for Zone 5



### Product Range

#### Sandwich Bustrunking (SB) - LV

- Copper: 630A-6300A
- Aluminium: 400A-5000A

#### Compact Air Bustrunking (CB) - LV

- Copper: 125A-1250A
- Aluminium: 200A-800A

#### Lighting Trunking (LB) - LV

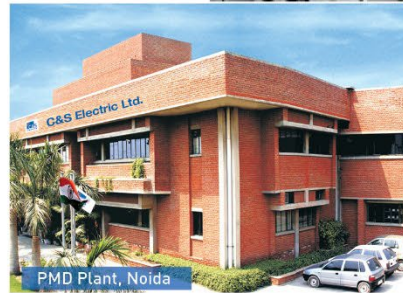
- Copper 25A, 40A

#### Track Busway (MB) - LV

- Copper 250A-400A

## PROTECTION & MEASUREMENT DEVICES BUSINESS

- Extensive range of protection and control solution from 415V to 400KV voltage levels including IEC 61850 process and station based architecture
- In-house expertise in design, engineering, testing and commissioning of protection and control solution including busbar engineering using numerical relays
- Automation solution for switchyards upto 400KV and Thermal, Hydro, Wind, Solar and Captive generation plants
- Widest range of digital relay for power protection, control and monitoring of power plants, substation, generator and industry
- ISO:9000 certified state-of-the-art manufacturing plant with latest machinery and testing facility
- State-of-the-art Govt. recognized R&D labs / centres from CSIR



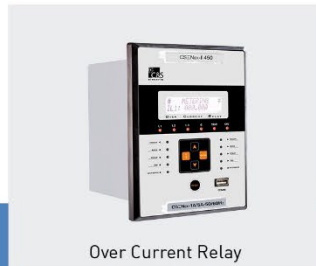
# PROTECTION & MEASUREMENT DEVICES BUSINESS

## Protection, Control & Monitoring Relays

- Feeder, Motor, Transformer Protection Relays
- RMU Protection Relays
- Generator Control: Synchronising, Load Sharing & AMF Relays
- Generator Protection: Current, Voltage, Frequency, Reverse Power, Rotor Earth Fault, Differential, De-Coupling, Negative Sequencing & Over Fluxing Relays



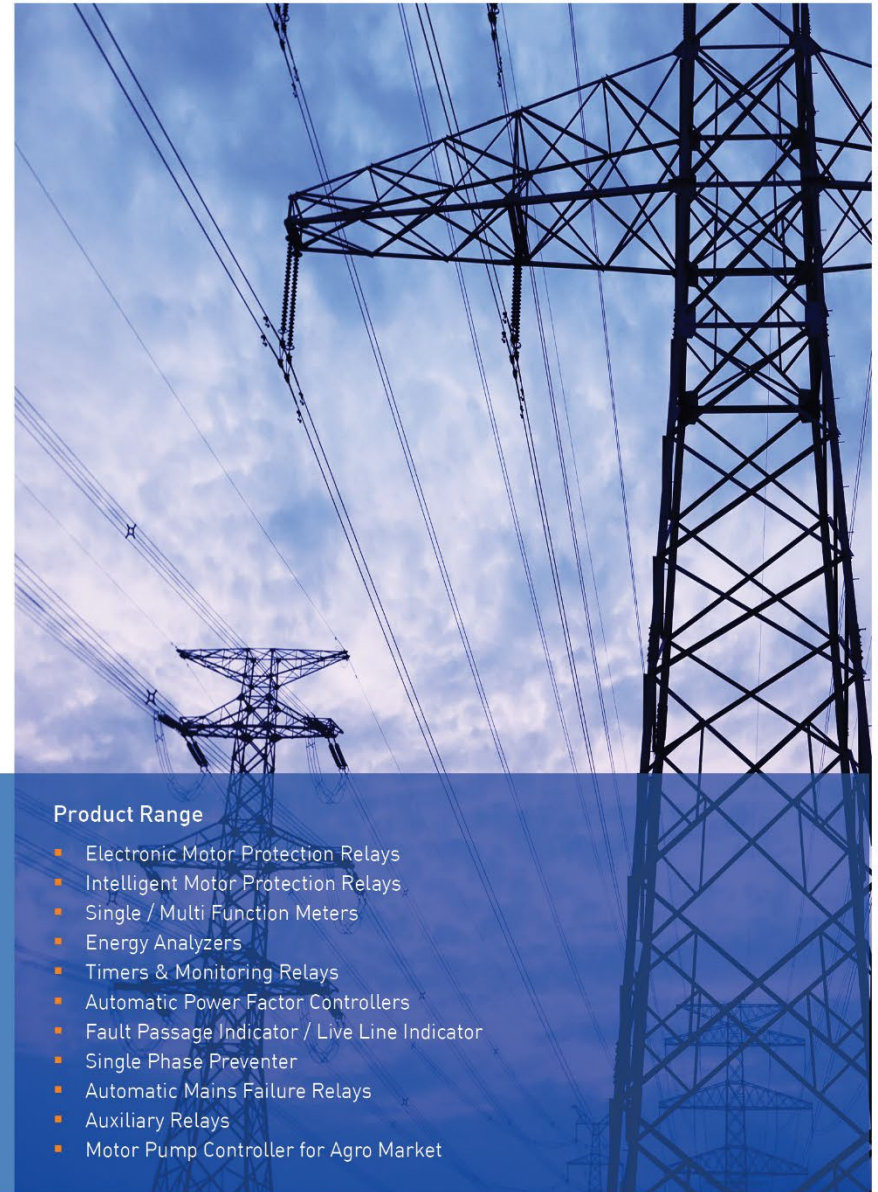
Numeric Protection System



Over Current Relay



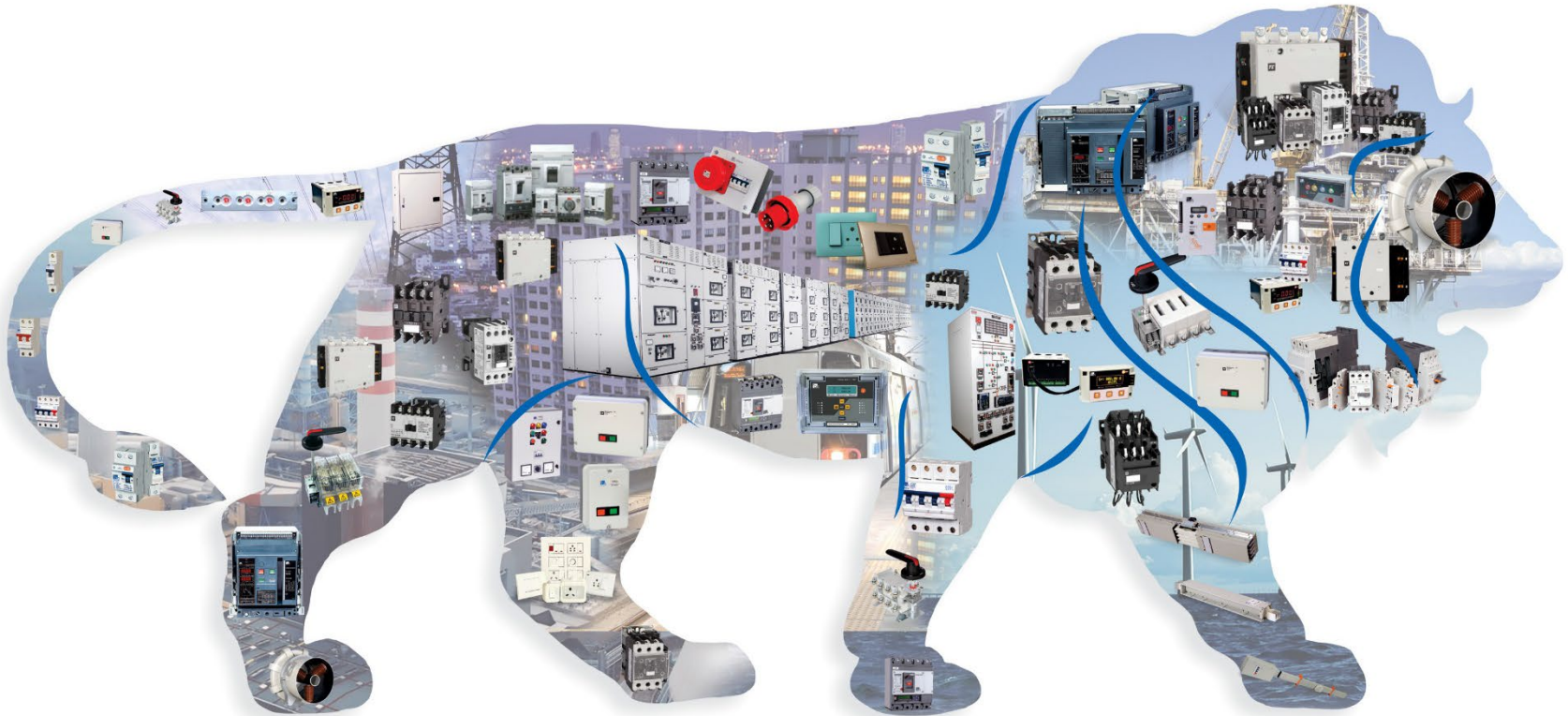
Power Factor Controller



## Product Range

- Electronic Motor Protection Relays
- Intelligent Motor Protection Relays
- Single / Multi Function Meters
- Energy Analyzers
- Timers & Monitoring Relays
- Automatic Power Factor Controllers
- Fault Passage Indicator / Live Line Indicator
- Single Phase Preventer
- Automatic Mains Failure Relays
- Auxiliary Relays
- Motor Pump Controller for Agro Market

## MORE THAN 5 DECADES OF EXCELLENCE IN MAKE IN INDIA ACCOMPLISHMENTS



*Since time immemorial, the Lion has been an emblem of India. It stands for strength, courage, tenacity and wisdom, values that are every bit as Indian today as they have ever been for 10000 years of Indian civilization.*

*Today C&S Electric products are sold in all the seven continents thus making the "Made in India" label respected world over.*

## MARKETING OFFICES SPREAD ALL OVER INDIA

### NORTHERN REGION

#### DELHI

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E-Mail : cmo@cselectric.co.in

#### LUDHIANA

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E-Mail : ludhiana@cselectric.co.in

#### LUCKNOW

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E-Mail : lucknow@cselectric.co.in

#### KANPUR

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#### JAIPUR

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Fax : (+91 141) 4033954  
E-Mail : jaipur@cselectric.co.in

### CENTRAL REGION

#### INDORE

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E-Mail : indore@cselectric.co.in

#### RAIPUR

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E-Mail : raipur@cselectric.co.in

#### NAGPUR

Ph. : (+91 712) 2565215, 2547295  
Fax : (+91 712) 2528923  
E-Mail : nagpur@cselectric.co.in

### RESIDENT ENGINEERS

Ahmedabad | Bangalore | Baroda | Bhubaneswar  
Chennai | Kochi | Coimbatore | Delhi & Haryana  
UP(W) & UK | Guwahati | Hyderabad | Indore | J&K  
Jaipur | Kolkata | Lucknow | Ludhiana | Madurai  
Mumbai | Nagpur | Pune | Raipur | Rajkot | Ranchi  
Surat | Vijayawada

### EASTERN REGION

#### KOLKATA

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### WESTERN REGION

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### NATIONAL WAREHOUSE

NOIDA

### REGIONAL WAREHOUSE

INDORE

RANCHI

AHMEDABAD

BENGALURU

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#### VIJAYAWADA

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### CENTRAL CUSTOMER CARE

#### DELHI

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