



Enpro Industrial Automation Pvt Ltd

Engineering & Manufacturer

Switch Yard Control & Relay Panels

COMPANY OVERVIEW

About Enpro

Established in 1989 in Chennai, Tamil Nadu, India, Enpro Industrial Automation Pvt Ltd is recognized as a leading manufacturer and exporter of electrical control and relay panels. For more than three decades, Enpro has earned a distinguished reputation for delivering reliable, innovative, and high-quality products, serving diverse industrial sectors both in India and globally.

With a legacy spanning over 36 years, Enpro specializes in the design, manufacturing of customized power and control solutions for utilities, industrial plants, and renewable energy sectors.

The Best-in Class Control Relay Panels from EIAPL is designed to deliver superior Performance with excellent quality and craftsmanship.

Range

- Panels manufactured for system voltages from 11 kV up to 330 kV offering various protection schemes
- Line Protection C&R Panels
- Transformer Protection C&R Panels
- Generator Metering, Control & Protection Panel
- Bus Coupler C&R Panels
- Synchronizing Panels
- Bus Bar protection Panels
- Grid Islanding & Load Shedding Panel

Features

- OEM Numerical Protection Relays (Differential, Distance Protection, Bus Bar, Over current, etc.) available with option of IEC 61850 protocol.
- Simplex & Duplex type panel design offered with option of Single / Double Glass Doors.
- Suitable for Indoor / Outdoor Environment.
- Panels are fabricated in-house using CRCA sheet with Bolted/9 Fold Construction.
- Type Tested enclosure for Degree of protection Up to IP:54 offered as per IS/IEC 60529 2001 RA 2019
- Fully Trained Engineering & Testing Team with Relay Test Kit for Complete Manufacturing of Control Relay Panels.

Mission

Enpro is committed to helping clients enhance productivity and safety through advanced power and control solutions that are reliable, efficient, and future-ready.

Vision

To be the globally recognized trusted partner for industrial sector, distinguished by innovation, quality, and customer-centric solutions that empower industries worldwide.

TYPE TEST CERTIFICATES

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

CPRI

Test Report Number	: CPRIBLREATD23T0378	Date: 23 October 2023
Name and Address of the Customer	: M/s. Enpro Industrial Automation Pvt. Ltd F-18, Ambattur Industrial Estate Ambattur, Chennai 600 058	
Name and Address of the Manufacturer	: M/s. Enpro Industrial Automation Pvt. Ltd F-18, Ambattur Industrial Estate Ambattur, Chennai 600 058	
Particulars of sample tested	: Control and Relay Panel	
Type	: Indoor	
Description of test sample	: Refer Sheet 2 of 5	
Serial Number	: EIA-CRP-02	
Number of samples tested	: One	
Date(s) of Test(s)	: 09 October 2023 and 10 October 2023	
CPRI Sample code Number(s).	: EATDIP23S0193	
Particulars of tests conducted	: IP 54 Category 2 Test	
Test in accordance with Standard/Specification	: IS/IEC 60529 2001, RA 2019	
Sampling Plan	: Not Applicable	
Customer's Requirement	: Nil	
Deviations if any	: Nil	
Name of the witnessing persons		
Customers representative	: B. Chandrasekar. Testing Engineer	
Other than customer's representatives	: Shyam Kishor Mukhiya, Quality Incharge, M/s. Adobe Metal Products, Bangalore	
Test subcontracted with address of the laboratory	: None	
Documents constituting this report (in words)		
Number of Sheets	: Five	
Number of Oscillogram(s)	: Nil	
Number of Graph(s)	: Nil	
Number of Photograph(s)	: Six	
Number of Test Circuit Diagram(s)	: Nil	
Number of Drawing(s)	: Three	

(D. Venkatesh)
Test Engineer

(Dr. P. Chandra Sekhar)
Head of Division
Reviewed and Authorized by

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

CPRI

Test Report Number : CPRIBLREATD23T0378 Date: 23 October 2023

TEST RESULTS

Condition of Sample on the Receipt : Good
Serial Number of sample tested : EIA-CRP-02

Sl. No.	PARTICULARS		OBSERVATIONS	
	TESTS CONDUCTED	REFERENCE CLAUSE		
1.0	IP 5X Category 2 Test, as per IS/IEC 60529 2001, RA 2019 Standard.	Clause No. 13.4 Protection against Ingress of solid foreign objects – Dust Protection Test.	No entry of dust observed inside "Control and Relay Panel" enclosure.	
2.0	IP X4 Test as IS/IEC 60529 2001, RA 2019 Standard.	Clause No. 14.2.4(b), 14.3 Protection against harmful ingress of water - Hand held spray nozzle, water flow rate 10 l/min ±5% and at a distance of 0.5m.	No entry of water observed inside "Control and Relay Panel" enclosure.	
3.0	Electrical Tests Conducted		After IP 5X Test	After IP X4 Test
3.1	Insulation Resistance test at 500V DC is applied for one minute between the connected terminals and body of the "Control and Relay Panel" enclosure.		285.4 MΩ	374.1 MΩ
3.2	Power Frequency Voltage withstand test at 2.5kV AC is applied for one minute between the connected terminals and body of the "Control and Relay Panel" enclosure.		Withstood	Withstood

Conclusion: The sample tested complies with the requirement of Clause (s) 13.4, 14.2.4(b) and 14.3 of IS/IEC 60529 2001, RA 2019 Standard for the test (s) conducted.

(D. Venkatesh)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

CPRI

Test Report Number	: CPRIBLREATD26T0093	Date: 03 April 2026
Name and Address of the Customer	: M/s. ENPRO INDUSTRIAL AUTOMATION PVT. LTD F-18, Ambattur Industrial Estate, Ambattur, Chennai-600 058	
Name and Address of the Manufacturer	: M/s. ENPRO INDUSTRIAL AUTOMATION PVT. LTD F-18, Ambattur Industrial Estate, Ambattur, Chennai-600 058	
Particulars of sample tested	: CONTROL & RELAY PANEL	
Type	: Indoor	
Description of test sample	: CONTROL & RELAY PANEL, Suitable for 400kV substation, 110V DC, 230V AC,1 Phase, 50Hz	
Serial Number	: EIA-CRP-01	
Number of samples tested	: One	
Date(s) of Test(s)	: 16.03.2026 & 17.03.2026	
CPRI Sample code Number(s).	: EATDIP26S0056	
Particulars of tests conducted	: IP 54 Category 2 test	
Test in accordance with Standard/Specification	: IS/IEC 60529 2001, RA 2019 Standard	
Sampling Plan	: Not Applicable	
Customer's Requirement	: IP 54 Category 2 test	
Deviations if any	: Nil	
Name of the witnessing persons		
Customers representative	: Mr. P.Babu-Production Incharge	
Other than customer's representatives	: None	
Test subcontracted with address of the laboratory	: None	
Documents constituting this report (in words)		
Number of Sheets	: Four	
Number of Oscillogram(s)	: Nil	
Number of Graph(s)	: Nil	
Number of Photograph(s)	: Six	
Number of Test Circuit Diagram(s)	: Nil	
Number of Drawing(s)	: Four	

(D. Venkatesh)
Test Engineer

(Dr. P. Chandra Sekhar)
Group Head
Reviewed and Authorized by

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

CPRI

Test Report Number : CPRIBLREATD26T0093 Date: 03 April 2026

TEST RESULTS

Condition of Sample on the Receipt : Good
Serial Number of sample tested : EIA-CRP-01

Sl. No.	PARTICULARS		OBSERVATIONS
	TESTS CONDUCTED	REFERENCE CLAUSE	
1.0	IP 5X Category 2 Test, as per IS/IEC 60529 2001, RA 2019 Standard.	Clause No. 13.4 Protection against Ingress of solid foreign objects – Dust Protection Test.	No entry of dust observed inside "CONTROL & RELAY PANEL" enclosure.
2.0	IP X4 Test as IS/IEC 60529 2001, RA 2019 Standard.	Clause No. 14.2.4(b) Protection against harmful ingress of water - Hand held spray nozzle, water flow rate 10 l/min ±5% and at a distance of 0.5m.	Trace of water observed on front corner bottom plate & rear bottom plate near the door inside "CONTROL & RELAY PANEL" enclosure.
3.0	Electrical Tests Conducted		After IP 54 Category 2 test
3.1	Insulation Resistance test at 500V DC is applied for one minute between the connected terminals of AC & DC Circuits and body of the "CONTROL & RELAY PANEL" Enclosure. Clause No.14.3		>1 GΩ
3.2	Power Frequency Voltage withstand test at 1.5 kV AC is applied for one minute between the connected terminals of AC & DC Circuits and body of the "Control & Relay Panel" enclosure. Clause No. 14.3		Withstood

Conclusion: The sample tested complies with the requirement of Clause (s) 13.4, 14.2.4(b) and 14.3 of IS/IEC 60529 2001, RA 2019 Standard for the test (s) conducted.

(D. Venkatesh)
Test Engineer

QUALITY CERTIFICATE



IQNET

Building trust together

Certificate

CISQ / RINA has issued an IQNET recognized certificate that the organization:

ENPRO INDUSTRIAL AUTOMATION PVT. LTD.

F-18, 5TH STREET, AMBATTUR INDUSTRIAL ESTATE, AMBATTUR, CHENNAI 600058, INDIA.

has implemented and maintains a/an

Quality Management System

for the following scope:

DESIGN, MANUFACTURE AND SERVICING OF CONTROL AND RELAY PANELS AND CUSTOM BUILT ELECTRICAL PANELS

which fulfills the requirements of the following standard:

ISO 9001:2015

Issued on: **2025-06-05**
First Issued on: **2019-04-16**
Expires on: **2028-04-15**

All details about any legal entities, operative units and related activities included in this certificate are contained in CISQ/RINA original certificate no.: **38040/19/AN**

Registration Number: **IT-122385**

Alex Stoichitoiu
President of IQNET

Mario Romersi
President of CISQ

CISQ

This attestation is directly linked to the IQNET Member's original certificate and shall not be used as a stand-alone document.

IQNET Members*:
AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy CQC China COM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia ICS Ukraine and Kazakhstan INTECO Costa Rica IRAM Argentina JQA Japan KFQ Korea LSQA Uruguay MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland NYCE-SIGE Mexico PCBC Poland Quality Austria Austria SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TSE Turkey YUQS Serbia

* The list of IQNET Members is kept at the General Secretariat and is available on request.



RINA

CISQ is a member of IQNET
www.iqnet-certification.com

CERTIFICATE No. 38040/19/AN

IT IS HEREBY CERTIFIED THAT THE QUALITY MANAGEMENT SYSTEM OF

ENPRO INDUSTRIAL AUTOMATION PVT. LTD.

F-18, 5TH STREET, AMBATTUR INDUSTRIAL ESTATE, AMBATTUR, CHENNAI 600058, INDIA.

IN THE FOLLOWING OPERATIONAL UNITS

F-18, 5TH STREET, AMBATTUR INDUSTRIAL ESTATE, AMBATTUR, CHENNAI 600058, INDIA.

IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2015

FOR THE FOLLOWING FIELD(S) OF ACTIVITIES

IAF:19

DESIGN, MANUFACTURE AND SERVICING OF CONTROL AND RELAY PANELS AND CUSTOM BUILT ELECTRICAL PANELS

For information concerning validity of the certificate, you can visit the site www.rina.org

Reference is to be made to the relevant documented information for the requirements of the standard that cannot be applied to the Organization's management system scope

The validity of this certificate is dependent on an annual / six monthly audit and on a complete review, every three years, of the management system
The use and validity of this certificate are subject to compliance with the RINA document : Rules for the certification of Quality Management Systems

First Issue 16.04.2019 *Renewal decision date* 04.06.2025
Expiry Date 15.04.2028 *Revision date* 05.06.2025

Previous certification cycle expiry date 15/04/2025 and renewal audit ended on 06/03/2025

Alok Kumar
Head of India Certification

RINA Services S.p.A.
Via Corsica 12 - 16128 Genova Italy

ANAB

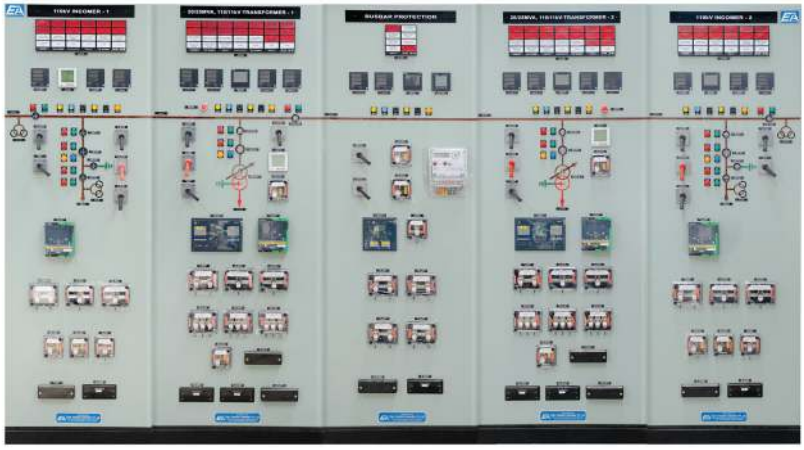
IAF

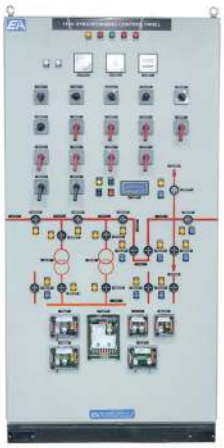
CISQ
www.cisq.com

CISQ is the Italian Federation of management system Certification Bodies

PRODUCTS & COMPREHENSIVE SOLUTIONS

Substation Control & Relay Panels	Grid Islanding & Load Shedding Panels
Generator Control & Relay Panels	Synchronising Panels (PLC & Relay Based)
Custom-Built Electrical Panels	BMK, Distribution Boards CT/PT Junction Box













KEY MILESTONES & GROWTH TRAJECTORY

Enpro holds ISO 9001:2015 Certification issued by RINA, Italy, validating the company's quality management system across design, manufacturing, quality assurance, and customer service.

1989

Enpro Industrial Automation Pvt Ltd founded in Chennai, Tamil Nadu, India

Early 2000

Achieved ISO 9001:2008 Certification, re ecting global standards in design, manufacturing, and customer service

1990 – 2000

Expanded manufacturing capabilities and product range to include high-voltage control and protection panels; established domestic and international market presence

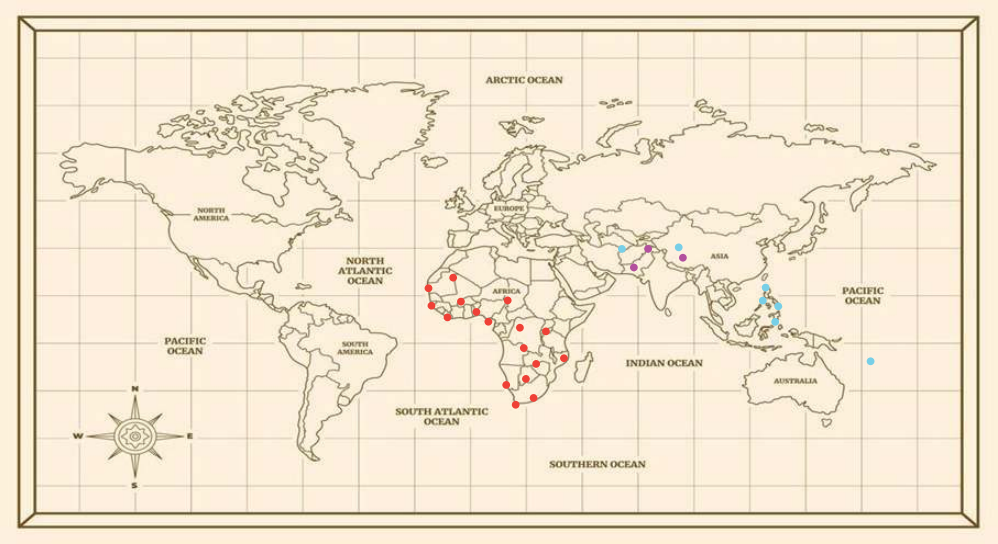
2010 - Present

International expansion with 250+ shipments to 15+ countries; developed long-term relationships with utilities, industrial clients, OEMs, and EPC contractors

Ongoing

Continuous innovation, expanded technical expertise, strengthened support infrastructure, and manufacturing capacity enhancement

GLOBAL PRESENCE & EXPORT REACH



Africa South Asia Asia Pacific

COUNTRIES

- Afghanistan
- Fiji
- Gabon
- Ghana
- Kenya
- Mexico
- Nepal
- Nigeria
- Philippines
- Senegal
- South Africa
- Tanzania
- Togo
- Uganda
- West Africa
- Zimbabwe

PRESTIGIOUS CLIENT PORTFOLIO

Pulp & Paper

TNPL
Makers of Eco Friendly Paper

PAPERBOARDS AND SPECIALTY PAPERS DIVISION
Enduring Value

Oil & Energy

HP

IndianOil

CPCL

Bharat Petroleum

Heavy Steel & Manufacturing

KALPA-TARU
POWER TRANSMISSION LIMITED

Bharat Bijlee

Crompton Greaves

VIZAG STEEL

SURYADEV
ALLOYS AND POWER

PULKIT
TMT BARS

RUNGTA STEEL
EKDUM SOLID!

FinOlex
INDUSTRIES

HINDUSTAN ZINC
Zinc & Silver of India

Power & Utilities Sector

TANGEDCO

TAMIL NADU TRANSMISSION CORPORATION LIMITED

TAMIL NADU ELECTRICITY BOARD

KSEB

Cement & Building Materials

RAMCO

UltraTech CEMENT
The Engineer's Choice

adani Cement

Dalmia Bharat

JK LAKSHMI CEMENT

Shree Cement

Renewable Energy

WAAREE
One with the Sun

moserbaer
Leave a Legacy

mahindra SOLARIZE

SUZLON

ENERCON

ReGen POWERTECH

Pharma Industries

Divi's
Divi's Laboratories Limited

AUROBINDO

Agriculture & Sugar

The Andhra Sugars Limited.

BANNARI AMMAN SUGARS LIMITED

Sakthi Sugars Limited

EMPEE

DSPL

UTTAM SUGAR

JSL

KPR

Coromandel Sugars Ltd

Dalmia Bharat Sugar

Kothari
SUGARS AND CHEMICALS LTD

RAJSHREE
SUGARS & CHEMICALS LTD

Our Associates

GE

Schneider Electric

HITACHI

SIEMENS

ABB

WOODWARD

CONSULTANT APPROVALS

AQUATHERM ENGINEERING CONSULTANTS (INDIA) PVT. LTD

AVANT-GARDE

ENGINEERS INDIA LIMITED
A Navratna Company

FICHTNER

TATA CONSULTING ENGINEERS LIMITED

MECON ISO 9001 Company

HOLTEC

SN CONSULTANTS
ELECTRICAL ENGINEERING CONSULTANTS

Power Engineers

DESEIN

DASTUR

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