



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES
MSME - TECHNOLOGY DEVELOPMENT CENTRE,
MUMBAI

वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई
INSTITUTE FOR DESIGN OF ELECTRICAL
MEASURING INSTRUMENTS, MUMBAI

भारत सरकार की सोसाईटी
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Government of India Society
Ministry of Micro, Small & Medium Enterprises



संदर्भ सं. / Ref. No.

WO/ETL/010/17-18

दिनांक :

Date : 08.05.2017

M/S. ASHIDA ELECTRONICS PVT. LTD.,
PLOT NO. A-308, ROAD NO. 21,
MIDC, WAGALE INDUSTRIAL ESTATE,
THANE (W) - 400 604
MAHARASHTRA, INDIA

Kind Attn. : Mr. Prashant Patil

विषय : परिक्षण रिपोर्ट
Sub : Test Report

महोदय,

आपके उपकरणों / अवयवों पर किये हुये परिक्षण रिपोर्ट संख्या () आपको जानकारी के लिए पत्र के साथ भेज रहे हैं। यदि आपको परिक्षित मदों पर स्पष्टीकरण की कोई आवश्यकता है तो, कृपया परिक्षण रिपोर्ट जारी करने वाले प्राधिकारी को हमारे संदर्भ संख्या और तारीख का उल्लेख करते हुए, रिपोर्ट प्राप्त होने पर चार सप्ताह के अन्दर सम्पर्क करें अथवा लिखें। हम इस पत्र के साथ फीड बैक फॉर्म भेज रहे हैं। कृपया उसे भरके प्रधाननिदेशक, वैमाउअसं को भेजे।

धन्यवाद!

भवदीय

संलग्न पत्रानुसार


प्रधान/निदेशक

Dear Sir,

Test Report No. () / on your instruments/ Components/ Equipments are / is enclosed herewith for your information. If you need any clarification on Test Report, please write/contact Test Report issuing officer quoting our reference and date within 4 weeks from the date of receipt of this report. We are also enclosing here with feed back form. Kindly fill up and send to the Principal Director of IDEMI
Thanking you,

Yours faithfully

Encl. As above


PRINCIPAL DIRECTOR

Swatantryaveer Tatya Tope Marg, Chunabhathi, Sion P.o. Mumbai - 400 022. (M.S)

Phone : (022) - 2405 0301/2/3/4 Fax : (022) - 2405 0016.

• Website : www.idemi.org / msmetdcmumbai.org • Email : idemi@vsnl.net, idemi@rediffmail.com

Accreditation Field: Electrical Testing
Accreditation Valid upto : 23.04.2019
Work Order No. : WO/ETL/010/17-18
Date : 28.04.2017

NABL Accreditation No.: TC-5538
Test Report No. : TR/ETL/016/17-18
Date of Testing : 29.04.2017 to 03.05.2017
Page No. : 1 of 3

Test Item : Feeder Protection Relay(Front Panel)

Tested for : M/s. Ashida Electronics Pvt. Ltd.,
Plot No. A- 308, Road No.21, MIDC, Wagale Industrial Estate, Thane (W) - 400 604
Maharashtra, India

Tested at : IDEMI MUMBAI

Specification of Items Under Test	Specification of Standards Used
Manufacturer : M/s. Ashida Electronics Pvt. Ltd., Thane Condition of Item on receipt : Good Range /Size : 24 - 230 V AC/DC, CT :1A/5A Model No.: ADR 245B-M-AM-M-0-0-3-0-1-1-0-2-2-H Sr. No.: 17C245M0038 Platform No.: ADR24xB-M Drawing No.: MAC01967	1) Dust Chamber Model No. : KASCO Sr. No.:015/08/91 Calibration valid up to : August 2017 2) Oblique Rain Apparatus Model: PG - 01 Sr.No: OB/901 Calibration valid up to : Sept. 2017 Traceability: Standard used for testing are traceable to National/International standards

Ambient Conditions :

Temperature : 29.6 °C

Relative Humidity : 35 % to 65 %

Remarks : Please refer page 2 to 3 for Test Results.

- 1) Procedure of Test : The front panel of the relay enclosure was tested for
**1. IP 54 (Front Panel) : IEC 60529: 1989 + A1: 1999 + A2: 2013 &
as per customer requirements**
2. This certificate is valid only for enclosed Drawing No. MAC01967



C. M. PATIL
ASSISTANT DIRECTOR
AUTHORISED SIGNATORY

(Note : This report refers only to the particular item(s) submitted for testing. The report should not be reproduced except in full without the prior permission from the Principal Director IDEMI, Mumbai - 400 022)





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वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई - ४०० ०२२.

INSTITUTE FOR DESIGN OF ELECTRICAL
MEASURING INSTRUMENTS, MUMBAI - 400 022.



ELECTRICAL TESTING LABORATORY

Sr. No: 17C245M0038

Date of Testing: 29.04.2017 to 03.05.2017

Test Report No.: TR/ETL/016/17-18

Page No.: 2 of 3

Test Result of: Feeder Protection Relay (Front Panel)

1. Test for IP: 5X (Ingress of dust for enclosure of category 2)

a. Test Rationale

The Relay was mounted in a panel & the Front Panel of Relay was tested for dust ingress as per IEC 60529: 1989 + A1: 1999 + A2: 2013 for enclosure of category 2. The above mentioned enclosure under test is supported inside the dust chamber. The total duration of test is 8 hrs.

b. Observation

The mounted relay was removed from the panel for interior examination of dust entry. It was observed that no dust has entered the Relay.

c. Result

The Front Panel of the relay passed for IP 5X Test

2. Test for IP: X4 (Protection Against Splashing Water)

a. Test Rationale

The Relay was mounted in a panel & the front Panel of Relay was tested for ingress of water as per IEC 60529: 1989 + A1: 1999 + A2: 2013. The above mentioned Front Panel of Relay tested for 10 min by Oscillating Tube with spray holes over an arc of 60° either side of the vertical position at a rate of approximately 60° /s for 5 min. The Equipment is then turned through a horizontal angle of 90° and the test continued for a further 5 min.

b. Observation

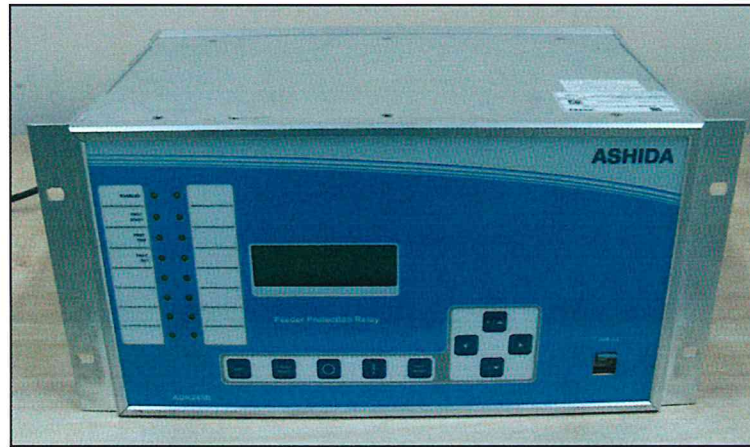
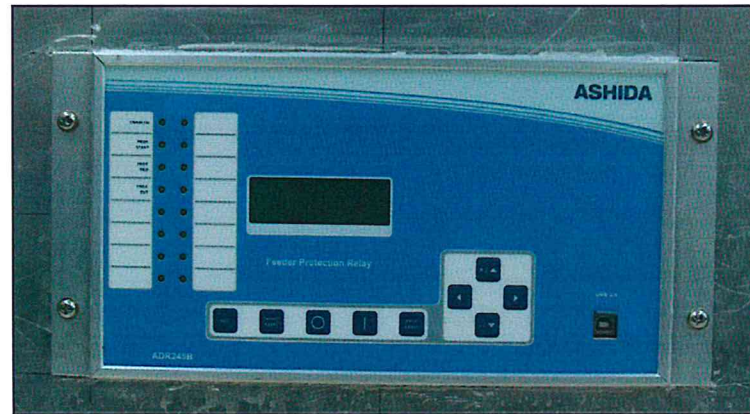
The mounted relay was removed from the panel for interior examination of water entry. It was observed that no water has entered in Relay.

c. Result:

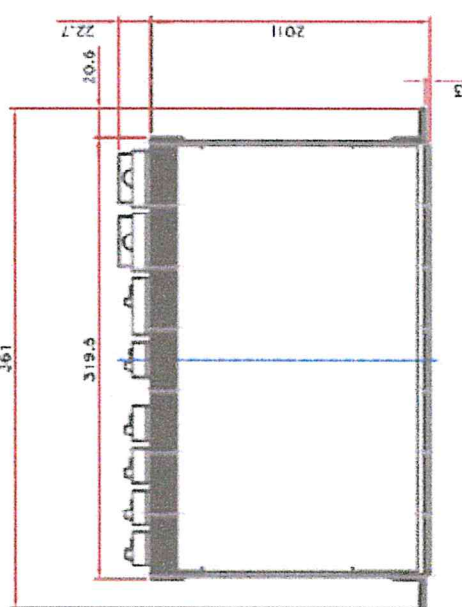
The Front panel of the relay passed for IP X4 Test.


TESTED BY


CHECKED BY

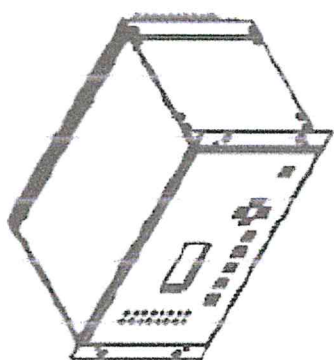
ELECTRICAL TESTING LABORATORYSr. No: 17C245M0038Date of Testing: 29.04.2017 to 03.05.2017Test Report No.: TR/ETL/016/17-18Page No.: 3 of 3**Test Result of:** Feeder Protection Relay (Front Panel)**EUT Photograph****Panel Mounted EUT*******END OF TEST REPORT******Chaitan*
TESTED BY*[Signature]*
CHECKED BY

Rev/No	Revision note	Date	Prepared	Checked
1	Original	11-05-16	Rohan	SG

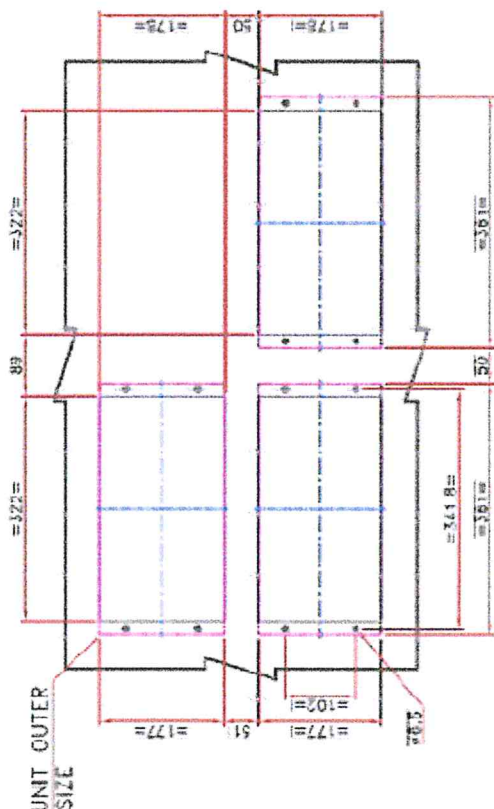


TOP VIEW

इस चित्र का साक्षात्कन महत्वपूर्ण
आमामों की जाँच तक ही सीमित है।
*ATTESTATION OF THIS DRAWING IS
LIMITED TO THE CHECKING OF
IMPORTANT DIMENSIONS ONLY*

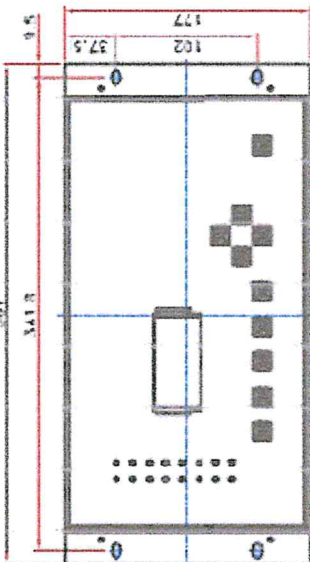


ISOMETRIC VIEW

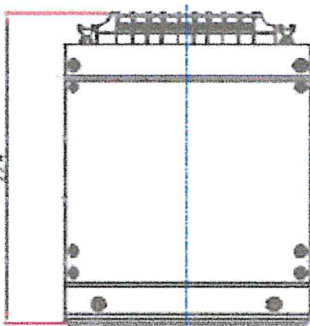


UNIT OUTER
SIZE

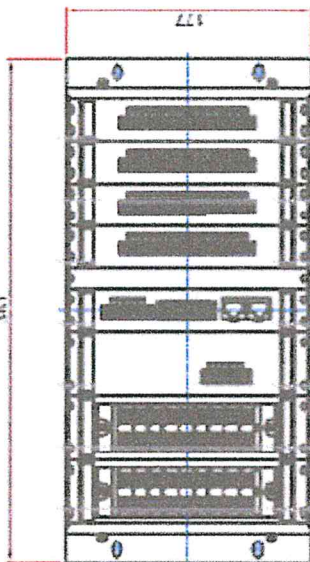
PANEL CUTOUT REQUIRED
(UNIT OUTER SIZE SHOWN IN PHANTOM LINE)



FRONT VIEW



SIDE VIEW



BACK VIEW

DEVIATIONS FOR LINEAR DIMENSIONS AS PER IS:2102

CLASS OF DEVIATION	RANGE OF NOMINAL DIMENSIONS					
	0.5	3	6	10	120	400
ABOVE	±0.2	±0.3	±0.5	±0.8	±1.2	±2
BELOW AND INCLUDING	±0.2	±0.3	±0.5	±0.8	±1.2	±2

Prepared by	Checked by	Approved by	date	Filename	Date	Scale
Fohan	SG	SMK	11-05-2016	MAC01967	11-05-2016	1 : 3.5

TOL : ±0.5MM MATERIAL :
 TITLE : MECHANICAL DETAIL FOR CABINET CSK
 Drawing - Ret.:- MAC01967
 Sheet 1 / 1

- NOTE:
- PANEL CUTOUT SIZE - 322mm x 178mm.
 - CABINET SIZE - (L)319.5mm, t (W)177mm, x (H)201mm.
 - ALL DIMENSIONS ARE IN MM.