

# ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

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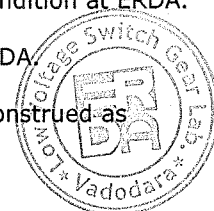


## TEST REPORT

Sheet: 1 of 2

<b>NAME AND ADDRESS OF CUSTOMER</b>  SUNSHINE TECHNICAL INDUSTRIES & TRADING F.Z.E.  P. O. BOX NO. 20181,  AJMAN FREE ZONE,  UNITED ARAB EMIRATES.	<b>TEST REPORT NO:</b> LIPS/605 <b>DATE</b> : 26/02/2013	
	<b>CUSTOMER REF. NO.:</b> Nil	<b>DATE</b> 14/02/2013
	<b>DATE OF SAMPLE RECEIPT</b> 14/02/2013	<b>DATE OF TESTING</b> 14/02/2013 to 15/02/2013
	<b>SAMPLE DESCRIPTION</b>  <b>ENCLOSURE (EMPTY)</b>  Containing: No live parts	
<b>SAMPLE IDENTIFICATION</b>  ERDA sample code no.: LSWGWO0109799/02  Drg. No.: S-1228-13 (Rev. 00)  Sr. No.: Nil		
<b>TEST DETAILS</b>  1.0 IP 65 tests  <b>Enclosures:</b> i) Photographs No.: i) 109799/02/1 ii) 109799/02/2 iii) 109799/02/3 ii) Drg. No.: S-1228-13 (Rev. 00)  <b>Test Witnessed By:</b> Mr. Gaurav Barthwall of M/s. Sunshine Technical Industries & Trading F.Z.E.  <b>Remarks:</b> Sample <b>conforms</b> to the requirement of IP 65 tests as per the standard.		<b>TEST SPECIFICATION</b>  Cl. No. 9.8 of IEC 62208-2011
<b>Prepared by</b> 	<b>Checked by</b> 	<b>Approved by</b> 

- Note:** 1. This report relates only to the particular sample received for testing in good condition at ERDA.  
2. This report cannot be reproduced in part under any circumstances.  
3. Publication of this report requires prior permission in writing from Director, ERDA.  
4. Only the tests asked for by the customer have been carried out.  
5. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arisen.



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Test Report No.: LIPS/605

Date : 26/02/2013

Sheet : 2 of 2

## TEST RESULTS

### **IP 65 Tests: (Protection against ingress of dust and protection against water jets as per Cl. No. 9.8 of IEC 62208-2011)**

#### **1.0 IP 6X test: (Protection against ingress of dust as per Cl. No. 13.4 & 13.6 of IEC 60529-2001)**

The sample was kept as in normal use inside the test chamber. The required amount of talcum powder was maintained in suspension throughout the test. The pressure inside the enclosure was maintained to 200 mm column of water below atmosphere. The test was continued for 8 hrs.

1.1 After the test the following observation was made.

i) No dust was found inside the enclosure.

#### **2.0 IP X5 Test: (Protection against water jets Cl. No. 14.2.5 & 14.3 of IEC 60529-2001)**

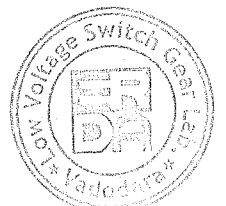
The sample was kept as in normal use. The unit was subjected to a stream of water from a nozzle of 6.3 mm inner diameter from all practically possible directions at a delivery rate of 12.5 l/min. The distance between nozzle and equipment was maintained approximately 3.0 m. The test was continued for 3 minutes. Ingress of water is verified by the absorbent paper positioned to occupy the base area of each protected space. The paper should project from the surface equal to the depth of the protected space or a maximum of 30 mm.

2.1 After the test following observation was made.

i) No water was found inside the enclosure.

Prepared by

Checked by



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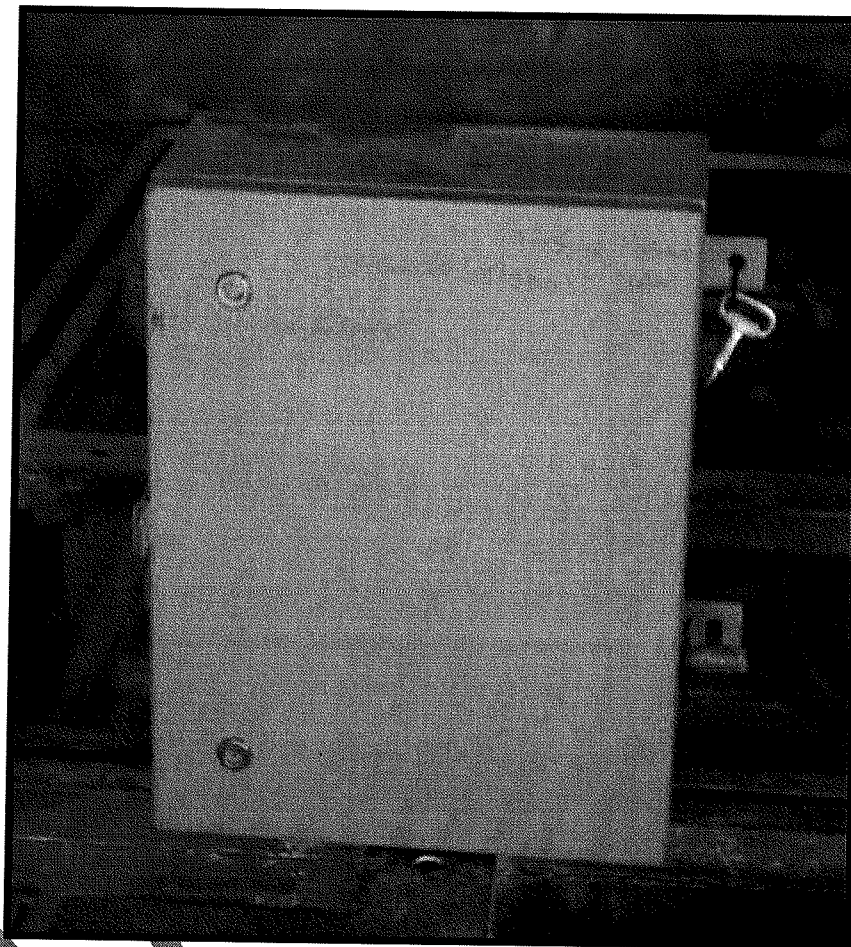
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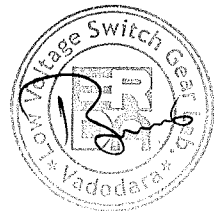
**Test report no.:** LIPS/605

**Date:** 26/02/2013



**Photograph No.: 109799/02/1**

**ENCLOSURE**



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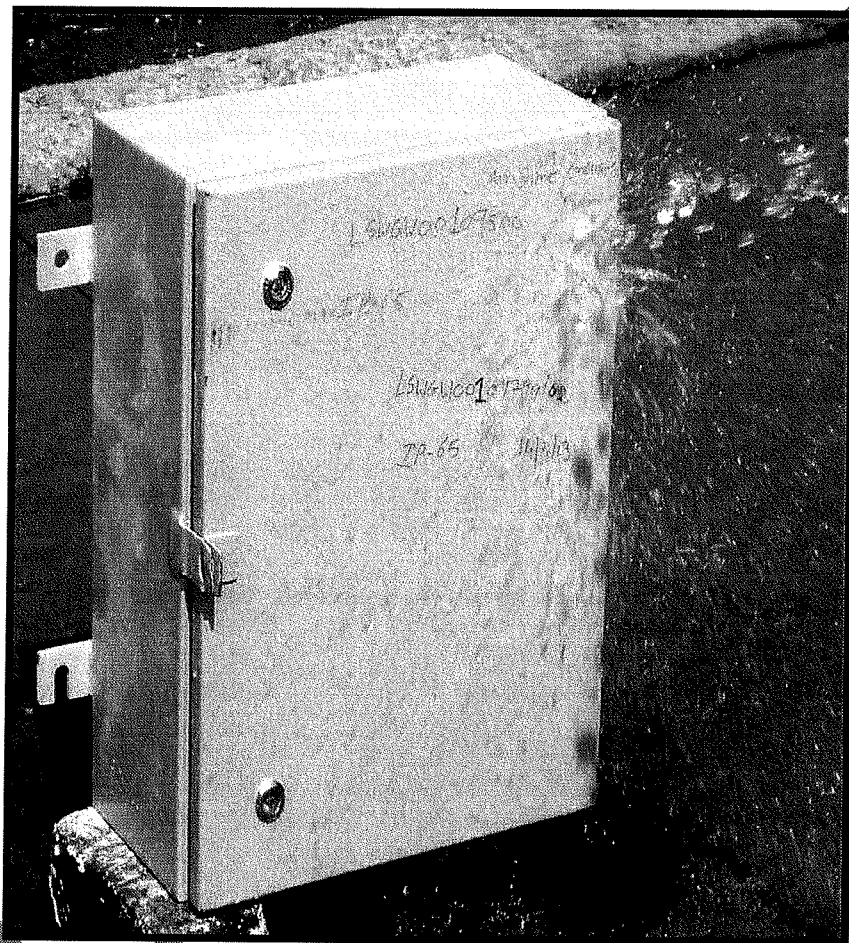
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**Test report no.:** LIPS/605

**Date:** 26/02/2013



**Photograph No.:** 109799/02/2

**ENCLOSURE**



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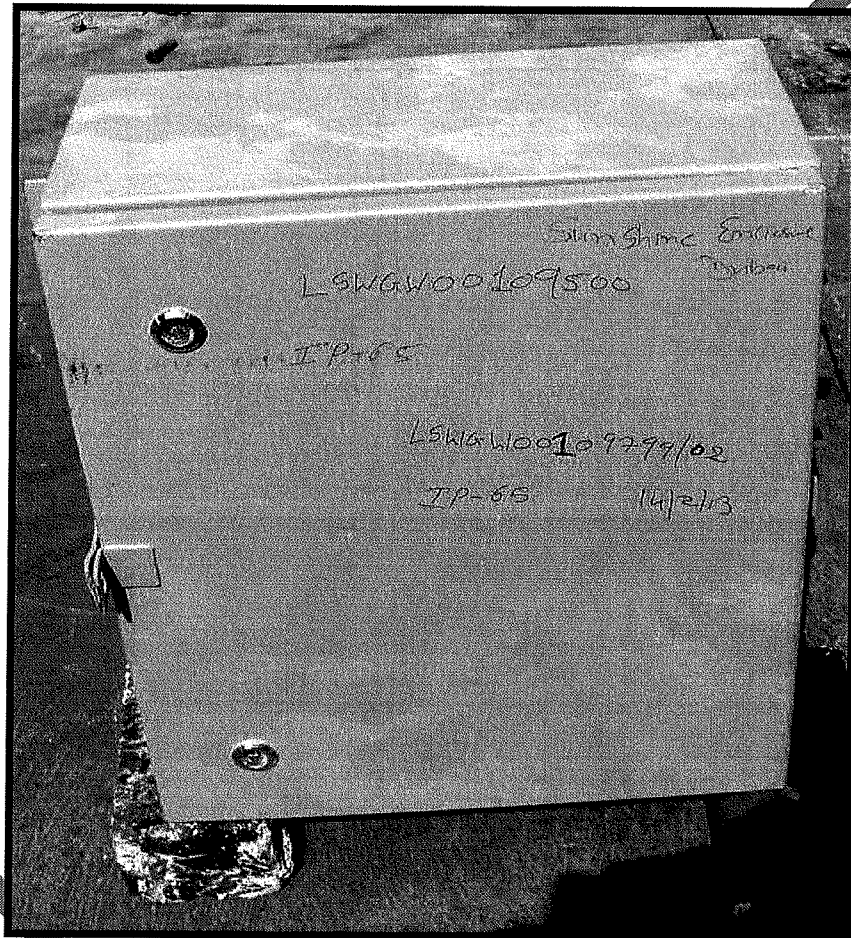
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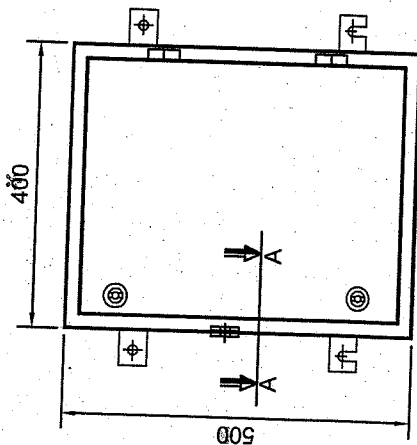


**Photograph No.: 109799/02/3**

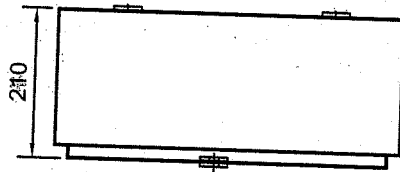
**ENCLOSURE**



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FRONT VIEW

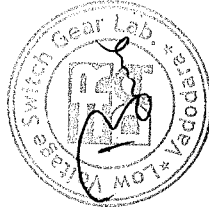


SIDE VIEW



SECTION A-A

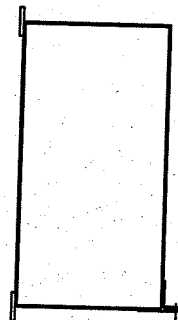
Date: 28/12/13  
 Product: Enclosure  
 Verified By: [Signature]  
 Verified dimensions are marked with \*



**NOTE :**

- 1) ENCLOSURE SIZE : 500H X 400W X 210D
- 2) PROTECTION CLASS : IP65
- 3) MATERIAL : 2mm G.I. STEEL SHEET.
- 4) FINISH : POWDER COATED.

TOP VIEW



SUNSHINE TECHNICAL INDUSTRIES & Trading CO.AJMAN FZE.



Title name:-

Enclosure 500x400x210

Job no.

DWG. Ref: S-1228-13

Drawing on date: 02/01/2013.

Revision:- 00

Drawing by:-praveen suyal

Checked by:-Anwar shalkh

Approved by:-Ramesh. G.

Scale, Scale  
All Dim Are in mm