

ELECTRONICS TEST & DEVELOPMENT CENTRE

STQC Directorate, Ministry of Information Technology, Government of India, Ring road, Peenya Industrial Estate, Bangalore – 560 058.



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Test Report

| Test | Report No.: TR/ETL/ 61900-2 | Page No. 01 of 02 | | | |
|-----------|--|--|--|--|--|
| I. SCOPE: | | | | | |
| 1. | SERVICE REQUEST NUMBER | TR/ETL/ 61900 | | | |
| 2. | Test requested by (Name of Organisation) | M/s. Paramount Industries #70, 5 th Cross, SSI Area, Rajajinagar Bangalore - 560010 | | | |
| 3. | Test Carried out at | M/s. ETDC, Bangalore | | | |
| 4. | Description of the Equipment | | | | |
| | a) Nomenclature | Electromagnetic Relay | | | |
| | b) Manufactured by | M/s. Paramount Industries. | | | |
| | c) Model No / Type No | P2-A-FW-M | | | |
| | d) No. of samples submitted | 01 No. | | | |
| | e) Serial No. | 002 | | | |
| 5. | Date of submission of samples | 01/10/2012 | | | |
| 6. | Condition of items on receipt | Good | | | |
| 7. | Date of completion of tests | 09/10/2012 | | | |
| 8. | Applicable Test Specification | IEC 60255-5 Cl. 6.2.2 , 6.1.4 | | | |
| 9. | Test Category | Performance Test | | | |
| 10. | Env. Condition during measurements | Temp: 23-27 °c humidity: 40-70 % | | | |

II MAJOR EQUIPMENT USED:

| Sl. No | Nomenclature | Make | Model | Cal. Due |
|--------|------------------|------|---------|-----------|
| 01. | Megh ohm meter | HP | 4339A | Sept 2013 |
| 02. | Breakdown tester | BPL | RM 215G | Jun 2013 |

THIS REPORT REFERS ONLY TO THE ITEMS TESTED AND SHALL NOT BE REPRODUCED EXCEPT IN FULL. REFER INFORMATIONS CONTAINED ON THE COVER.



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2.0 Test Details & Test Results:

| Test No. | Test Parameter / Conditions | Test Specification Requirements | Test Results/Observations/ |
|-------------|---|--|---|
| 1. | Performance test | Check for normal operation NO / NC relay contacts. | For Results Refer Test No. 2 & 3. |
| 2. | Insulation Resistance Test per IEC 60255-5 Cl. 6.2.2 | IR shall be measured @ Test Voltage: 500Vdc Duration: 1 min | |
| | | 1. Between Contacts 1,2 & 7,8 | 4.3ΤΩ |
| | | 2. All Contacts & Body shorted | 1.4 ΤΩ |
| | | 3. Between Contacts 1 & 2. | $25.7G\Omega$ |
| | | 4. Between Contacts 7 & 8. | $24.7G\Omega$ |
| | | A performance test shall be performed Post IR test and results shall be satisfactory. | Checked and found satisfactory. |
| 3. | Dielectric Test per IEC 60255-5 Cl. 6.1.4 | Di-electric test shall be conducted @ Test Voltage: 2kV AC, 50 Hz Duration: 1min Between: 1. Contacts 1,2 & 7,8 2. All Contacts & Body shorted 3. Between Contacts 1 & 2. 4. Between Contacts 7 & 8. And Relay shall show no disruptive discharge / puncture / flash over & operate correctly after the test. | Withstood & No Flash over observed. |
| | 26 | A performance test shall be performed Post Di-electric test and results shall be satisfactory. | Checked and found satisfactory. |

Tested By: Value of S

B. SATHISH RAO

Director
ELECTRONICS TEST & DEVELOPMENT COMPAGE
Govt. Of India, STQC Director
Department of Information Technology
BANGALORE ESCAPE

CO-ORDINATOR
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