

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/ 61900-1	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	Electro magnetic relay		
	b) Manufactured by	M/s. Paramount Industries.		
	c) Model No / Type No	P2-FW		
	d) No. of samples submitted	01 No.		
	e) Serial No.	001		
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 as per IEC 60255-5 Cl. 6.2.2	IR shall be measured @ Test Voltage: 500Vdc Duration: 1min	Tor Results Rejer Test No. 2, & 5.
		1. Between Contacts 1,2 & 7,8	2.0ΤΩ
		2. All Contacts & Body shorted	1.4 ΤΩ
		3. Between Contacts 1 & 2.	$24.4G\Omega$
		4. Between Contacts 7 & 8.	$32.6G\Omega$
		A performance test shall be performed Post IR test and results shall be satisfactory.	Checked and found satisfactory.
3.	Dielectric Test 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. Withstood & No Flash over observed. Withstood & No Flash over observed. Flash over observed.
	74	A performance test shall be performed Post Di-electric test and results shall be satisfactory.	Checked and found satisfactory.

Tested By: Not and

8-521hh h Approved By: 10/10/12

B. SATHISH RAO

Director

ELECTRONICS TEST & DEVELOPMENT CENTRE

Govt. Of India, STQC Directorate,

Department of Information Technology

BANGALORE - 560 058

Issued By: Son Alelio)

CO-ORDINATOR TESTING SERVICES, E.T.D.C., BANGALORE