



ELECTRONICS TEST AND DEVELOPMENT CENTRE

(STQC Directorate, Ministry of Communications & Information Technology)
100 ft Road, Peenya Industrial Estate, Bangalore-560 058
(Tel: 2839 5992, 2839 4647. Fax: 080 - 2839 1804)
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Report No.: TR/EMC/61900-1

TEST REPORT

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1. Scope

1.	Service request number	61900
2.	Requested by (Name & Address of the Organization)	M/s.Paramount Industries No.70,S.S.I.Area,5 th Cross, Rajajinagar,Banaglore 560010
3.	Description of the equipment:	
	a) Nomenclature	Electromagnetic Relay
	b) Manufactured by	Paramount Industries
	c) Model / type no.	P2-FW
	d) Serial no.	001
4.	Date of submission of test samples	05-10-2012
5.	Condition of test samples on receipt	Good
6.	Date of start of tests	05-10-2012
7.	Date of completion of tests	05-10-2012
8.	Applicable test specification	As per customer specification
9.	Test category	Performance test
10.	Environment condition	Temp: 25±5 °C RH: 40 to 75%

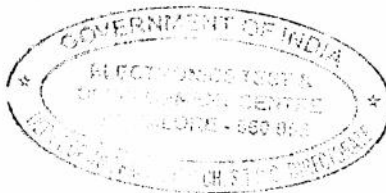
2. Major equipments used

SN	Nomenclature	Make	Model	Cal. Due
1	Voltage surge simulator	EM Test	VSS 500-M	29-06-2013

This report refers only to the item tested and shall not be reproduced except in full. Refer to information contained on the cover.

FM/081-10

Date of Release: 30/06/2010





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Results:

Test Parameter : Impulse

Test Specification : As per customer specification

Test Procedure : IEC 60255-5

EUT Configuration : Electromagnetic Relay having 2 change over contacts 1-2(NO),2-3(NC) 7-8(NO),8-9(NC) & with A1(4) & A2(5) Terminals for coil voltage of 24V DC.

Wave shape / severity	Requirements	Test results
Rise Time : 1.2 μ Sec Pulse width : 50 μ Sec Test Voltage : 5 kV Polarity : +ve & -ve. No. of pulses : 3 in each polarity Interval of pulses : 5 sec	Performance criteria -No flash over / Disruptive discharge/ Puncture shall occur during the test.	-No flash over /Disruptive discharge /Puncture observed during the test.
Point of application : i) Contact Between 1&2. ii) Contact Between 7&8. iii) Between all contacts shorted to body. iv) Between 1&2 short to 7&8 shorted.	-Before and after the test relay should work satisfactorily.	-Before and after the test relay was working satisfactorily.

Tested By
Hemant Kumar Sahu
(Hemant Kumar Sahu)
(Scientist 'B')



Approved By
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Scientist E
Electronics Test & Development Centre
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Issued By
10/10/12

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