



TESTING REPORT

REPORT NO.:ERTL(W) 2013 E&S 210

DATE OF ISSUE : 18 FEB 2014

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TITLE: TESTING OF FIRE ALARM PANEL 2Z CONVENTIONAL

1.1 Service Request No.and Date : 20131572 , 31-DEC-13

1.2 Name and Address of Customer:

M/s. **JAY FIRE SYSTEMS**
2,RAMESHWARAM,OPP.CORPORATION
BANK,BEHIND ANAND NAGAR,C.S.
COMPLEX,DAHISAR (E),
MUMBAI-400068

1.3 Report in the Name of:

M/s. **JAY FIRE SYSTEMS**
2,RAMESHWARAM,OPP.CORPORATION
BANK,BEHIND ANAND NAGAR,C.S
COMPLEX,DAHISAR (E),
MUMBAI-400068





GOVERNMENT OF INDIA
ELECTRONICS REGIONAL TEST LABORATORY (WEST)
MINISTRY OF COMMUNICATIONS & INFORMATION TECHNOLOGY
DEPT. OF INFORMATION TECHNOLOGY, STQC DTE.

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1.0 Scope

1.1	Service request no. and Date	As per cover sheet
1.2	Name and address of Customer :	As per cover sheet

1.3	Description & Identification of Test item(s)	Nomenclature:	FIRE ALARM PANEL 2Z CONVENTIONAL.	
		Make:	JAY FIRE SYSTEMS	
		Model/Type:	JE-190*	
		Sr. No.:	Not marked.	
		Quantity:	01 No.	
1.4	Item(s) condition on receipt: OK	Received Date: 02/01/2014	Test Completed Date: 10/02/2014	
1.5	Testing performed at:	ERTL (W)		
1.6	Laboratory Ambient	Temperature: (25 ± 2)°C Humidity : < 75 % R.H.		
1.7	Test Specification / Test Procedure used	IS 2189: 1999.(Partial)		

1.8	Major Equipments used and Traceability Details:			
Sl. No.	Equipment Used	Uncertainty (Best Case)	Calibration Report Ref.	Valid up to
01	PROGRAMMABLE CLIMATIC CHAMBER	Temp: ± 1.1 °C R.H.: ± 2 %	2013TNP179	07-06-2014
02	VIBRATION SYSTEM	± 2.9 %	2013ENV174	22-04-2014

*As specified by the customer but not marked on the sample.





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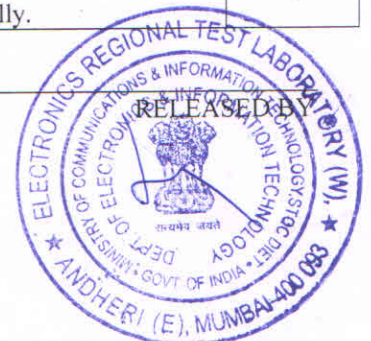
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2.0 TEST RESULTS:

Sr.No.	Test Parameters	Test Conditions	Test Requirements	Observations	Remark
2.1	Initial functional test	As per Annexure B 2.2 of IS 2189: 1999.	The equipment shall be functional	Smoke detector was activated with smoke. The fire alarm panel was found working normally.	Complied
		a) Operate momentarily a trigger device (Automatic detector/mcp) from any zone to ensure correct functioning.			
		b) Operate alarm-silencing switch to ensure correct functioning.	The equipment shall be functional	The fire alarm panel was found working normally.	Complied
		c) Operate another triggering device (detector/mcp) from another zone to ensure correct functioning of Control & Indicating equipment and sector/zonal panel, in case of big /sectored equipment.	The equipment shall be functional	Manual Control Point (MCP) was activated. The fire alarm panel was found working normally.	Complied
		d) Operate reset control to ensure correct functioning.	The equipment shall be functional	The fire alarm panel was found working normally.	Complied
		e) Check the audible and visible warnings given on disconnection of normal (mains) power	The equipment shall be functional	The fire alarm panel was found working normally.	Complied
	f) Restore the equipment to quiescent condition.	The equipment shall be functional	The fire alarm panel was found working normally.	Complied	
2.2	Visual inspection.	---	There shall be no visual damage.	No visual damage observed.	Complied
2.3	Dry Heat Test	As per Annexure B 2.3.1 of IS 2189: 1999. Temp. :45 to 50°C Temp. rise@1°C per min. R.H. : 40 to 45%. Duration :16h.	The equipment shall pass the functional test after recovery period of 3 h.	Conditioned.	---
2.3.1	Visual inspection.	---	There shall be no visual damage.	No visual damage observed.	Complied
2.3.2	Functional test	As per Sr. No. 2.1.	The equipment shall be functional	The fire alarm panel was found working normally.	Complied





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2.0 TEST RESULTS:

Sr. No.	Test Parameters	Test Conditions	Test Requirements	Observations	Remark
2.4	Damp Heat Test	As per Annexure B 2.3.2 of IS 2189: 1999. Temp. : 45 ± 3°C R.H. : 90 to 95 %. Duration : 16h	The equipment shall pass the functional test after recovery period of 3 h.	Conditioned.	---
2.4.1	Visual inspection.	---	There shall be no visual damage.	No visual damage observed.	Complied
2.4.2	Functional test	As per Sr. No. 2.1.	The equipment shall be functional	The fire alarm panel was found working normally.	Complied
2.5	Cold Test	As per Annexure B 2.3.3 of IS 2189: 1999. Temp : 0 ± 5°C. Temp. Fall @1°C per min. Duration : 16h. Recovery : 3h in chamber with cooling off.	The equipment shall pass the functional test after recovery period of 3 h.	Conditioned. Please see Sr. No. 2.10 and 2.11.	---
2.5.1	Visual inspection.	---	There shall be no visual damage.	No visual damage observed.	Complied
2.5.2	Functional test	As per Sr. No. 2.1.	The equipment shall be functional	The fire alarm panel was found working normally.	Complied
2.6	Vibration Test	As per Annexure B 2.3.4 of IS 2189: 1999. Instrument is fastened in its normal position of use. The test shall then be subjected to a vertical vibration of amplitude 0.1mm for a period of 5 minutes at each of the following frequencies: 10, 15,20,25, 30, 35,40,45 and 50c/s. The operation of the detector or resonance of any component shall be noted. If resonance occurs, the detector shall be vibrated at the resonant frequency for a period of one hour .If no resonance occurs, the detector shall be vibrated at 50 c/s for one hour.	The equipment shall pass the functional test after recovery vibration test.	No resonance observed. The control panel was vibrated at 50 c/s for one hour. No visual damage observed.	---
2.6.1	Visual inspection.	---	There shall be no visual damage.	No visual damage observed.	Complied
2.6.2	Functional test	As per Sr. No. 2.1.	The equipment shall be functional	The fire alarm panel was found working normally.	Complied





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3.0 General Remarks:

3.1. Accessories Smoke detector, Manual Control Point (MCP) and hooter were used for functional test.

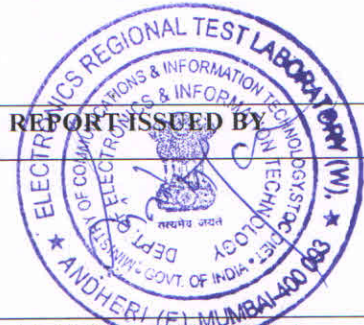
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