Oven Test

Test Purpose : To check the malfunctioning of UUT at ambient temperature of 65 to 70 deg C.

UUT Details

Product Description	Voltage Protection Relay	
Model No.	600VPR-310/520	
Serial No.	T-1704 & T-1701	
PCB No.	PCB 650 VPR_ST01_SC01_N1 V2.00-10UP PNL	
HW Version No.	V2.00	
SW Version No.	V1.00	
Manufacturer	Selec Controls Pvt. Ltd	
Qty on which test was performed	10No.	
Ambient conditions	**Temperature**	65-70°C
	Humidity	58.00%

Test specification	**As per IEC 60947-2**	
	Test conditions	Apply 415V L-L

Test equipments used

Sr. No.	**Instrument**	**Manufacturer**	**Model No.**	**Calibrated on**	**Calibration due**
1	Oven	Bajaj	7G419	21/07/16	20/07/17
2	Voltage Protection Relay	Selec	600VPR-310/520	01/01/17	01/01/18

Test conducted at	M/S Selec Controls Pvt. Ltd., Navi Mumbai
Traceability	Test Date – 22/06/17

Sr No	Test Conducted	Status of the UUT During Test	Status of the UUT After Test
1	Phase Sequence	Ok	Ok
2	Phase Loss	Ok	Ok

Sr No	Test Conducted	Trip value (V)	Observed Trip value during test (V)	Observed Trip value after test (V)
1	Over voltage pot position at 25%	519	515.4	513.4
2	Over voltage pot position at 10%	456	454	452.3
3	Under voltage pot position at 25%	311	312.4	311.8
4	Under voltage pot position at 10%	373.5	376.7	374

Test Observation:

Sr.No.	Temperature	Duration	Observation	Remark
1	70 °C max. rated ambient temperature ± 2°C (Operational)	4 hour	No functional degradation	Pass

General remarks: NA

Test Conclusion: No functional degradation observed during and after the test. (only LED. indication checked)

22/6/17

Tested By: Pranav
Testing Engineer

Accuracy within limit.
22/6/17

Supervised By: Mahesh V.
Product Engineer

22/6/17

Approved By: Priti Ma'am.
Senior Engineer

SELEC CONTROLS PVT. LTD.
Navi Mumbai
400 710.