# 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.