1. **GENERAL DATA AND INFORMATION:**

|  |  |  |  |
| --- | --- | --- | --- |
| Panel No :  |  | Designation |  |
| Make |  | Type | **BATTERY ALARM 300** |
| Model | BA31251117A | Range | 125 VDC -20% +40% |
| Serial No |  | Outputs | 4 C/O Contacts |

1. **MECHANICAL CHECKS AND VISUAL INSPECTION:**



|  |  |  |
| --- | --- | --- |
| **Item** | **Description** | **Checked** |
| 1 | Inspect for physical damage / defects. |    |
| 2 | Verify connections as per approved drawings. |   |
| 3 | Check tightness of all connection. |  |

1. **ELECTRICAL TEST :**
	1. **RELAY BURDEN :**

|  |  |  |
| --- | --- | --- |
| **DC Voltage** | **Measured Current** | **Burden** |
| **125 VDC** |  |  |

* 1. **SECONDARY INJECTION TEST :**

|  |  |  |
| --- | --- | --- |
| **Function** | **Pick up** | **Drop off** |
| **Under Voltage**  |  |  |
| **Over Voltage** |  |  |

**Limits :** Accuracy of setting = ± 0.5 %

 Hysteresis of setting = ± 0.5 %

* 1. **TIME DELAY TEST (UERGENT ALARM) :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Function** | **Contact Type** | **Setting Time** | **Measured Time** |
| **Under Voltage** | Urgent | 1 sec |  |
| **Over Voltage** | Urgent  | 1 sec |  |

* 1. **HIGH IMPEDANCE ALARM** **(UERGENT ALARM) :**

Apply nominal voltage (125Vdc) at 2A rated. Then check high impedance alarm led is OFF.

Connect series resistance with the supply voltage and check high impedance alarm led is

extinguished or not.

If series resistance more than 5 ohm the high impedance alarm led should be ON

|  |  |  |  |
| --- | --- | --- | --- |
| **Function** | **Led Indication** | **Setting Time** | **Measured Time** |
| **R > 5 ohm** |  |  |  |
| **R < 5 ohm** |  |  |  |

* 1. **EARTH FAULT ALARM (NON-UERGENT ALARM) :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Function** | **Led Indication** | **Setting Time** | **Measured Time** |
| **Positive + Earth** |  | 32 sec |  |
| **Negative + Earth** |  | 32 sec |  |