RelayBoard檢驗表格(v20250417a)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **RelayBoard**  **序號** | **電壓**  **檢驗#1** | **電阻**  **檢驗#1** | **電阻**  **檢驗#2** | **電阻**  **檢驗#3** | **電阻**  **檢驗#4** | **檢驗**  **結果** | **說明** |
| 2024-S005-1 |  |  |  |  |  |  |  |
| 2024-S005-2 |  |  |  |  |  |  |  |
| 2024-S005-3 |  |  |  |  |  |  |  |
| 2024-S005-4 |  |  |  |  |  |  |  |
| 2024-S005-5 |  |  |  |  |  |  |  |
| 2024-S005-6 |  |  |  |  |  |  |  |
| 2024-S005-7 |  |  |  |  |  |  |  |
| 2024-S005-8 |  |  |  |  |  |  |  |

**電壓檢驗#1**:

1a項目:

說明: 繼電器全部啟動

設定值: {"LED\_1":"1111111111","LED\_2":"1111111111","LED\_3":"1111111111","LED\_4":"1111111111"}

檢驗項目電壓必須為:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 |
| 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 |
| 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 |
| 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 |

1b項目:

說明: 繼電器全部啟動

設定值: {"LED\_1":"1111111111","LED\_2":"1111111111","LED\_3":"1111111111","LED\_4":"1111111111"}

檢驗項目電壓必須為:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

電阻檢驗#1

說明: 繼電器第1排啟動(大顆在下方，最下面數來第1排)

設定值: {"LED\_1":"1111111111","LED\_2":"00000000","LED\_3":"00000000","LED\_4":"00000000"}

檢驗項目電壓必須為:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 |
| 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 |
| 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 |
| 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 |

電阻必須為：紅(PSU+)vsCH1~8為10~12[Ω]；紅(PSU+)vs橙(PSU-)為0L[Ω]；其餘不測。

電阻檢驗#2

說明: 繼電器第2排啟動(大顆在下方，最下面數來第2排)

設定值: {"LED\_1":"00000000","LED\_2":"1111111111","LED\_3":"00000000","LED\_4":"00000000"}

檢驗項目電壓必須為:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 |
| 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 | 0  0 |
| 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 | 0  2.8~2.9  4.1~4.3 |
| 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 | 0  2.8~2.9  0 |

電阻必須為：橙(PSU-)vsCH1~8為10~12[Ω]；橙(PSU-)vs紅(PSU+)為0L[Ω]；其餘不測。

電阻檢驗#3

說明: 繼電器第3排啟動(大顆在下方，最下面數來第3排)

設定值: {"LED\_1":"00000000","LED\_2":"00000000","LED\_3":"1111111111","LED\_4":"00000000"}

檢驗項目電壓必須為:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 |
| 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 |
| 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 |
| 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 |

電阻必須為：白(DMM-)vsCH1~8為37~40[Ω]；白(DMM-)vs黃(DMM+)為0L[Ω]；其餘不測。

電阻檢驗#4

說明: 繼電器第4排啟動(大顆在下方，最下面數來第4排)

設定值: {"LED\_1":"00000000","LED\_2":"00000000","LED\_3":"00000000","LED\_4":"1111111111"}

檢驗項目電壓必須為:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 | 3.1~3.3  4.1~4.3 |
| 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 | 3.1~3.3  0 |
| 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 |
| 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 | 0  0  0 |

電阻必須為：黃(DMM+)vsCH1~8為37~40[Ω]；黃(DMM+)vs白(DMM-)為0L[Ω]；其餘不測。