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| --- | --- | --- | --- | --- | --- | --- |
| Risk | Cause | Probability | Severity | Detectability | Risk Level | Reaction |
| Burned board | Human error | Remote(B) | Catastrophic (5) | Certain(1)  There is no functioning at all. | High | Use a new board |
| Degraded flash memory |  |  |  |  |  |  |
| RTC disconnection | Human error | Remote(B) | Catastrophic (5) | Almost Certain(2)  The screens freeze and buttons don’t respond. | High | Reconnect the RTC and reset the board |
| DHT sampling error | Human error | Occasional(C) | Minor(3) | High(3)  The temperature reading appears to obviously wrong. | Moderate | Reconnect the DHT properly |
| Buzzer disconnection |  | Remote(B) | Critical(4) | High(3)  The alarm makes no noise. | Moderate | Reconnect the Buzzer properly |
| Broken 7-segment display |  |  |  |  |  |  |
| Broken LED matrix |  |  |  |  |  |  |
| Disconnected buttons |  |  |  |  |  |  |