



29. November 2018

CELLmatic 1502 Trouble shooting

| Problem. | Possible cause. | Solution. |
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| Diode D17 continuously "ON" | <ol style="list-style-type: none">1. CPU has stopped processing.2. Communication buffer full. | <ol style="list-style-type: none">1. Perform cold restart.2. If no other computers connected, ensure communication selected parameter in Menu 5 is "NO"3. Faulty communication card, change communication card. |
| Keypad locked up. | <ol style="list-style-type: none">1. Keypad communication buffer full.2. Faulty connection between screen and main board.3. Faulty keypad. | <ol style="list-style-type: none">1. Perform cold restart.2. Ensure no loose connections. Check the keyboard foil connector. Replace if faulty.3. Replace keypad.(It is advisable that the 574 board is also replaced) |
| Display blank. | <ol style="list-style-type: none">1. Wrong jumper settings.2. Contrast adjustment too low.3. Faulty 574 board.4. Faulty display.5. Faulty 502 board. | <ol style="list-style-type: none">1. Check jumper settings on 502 board. JP7 - "B" JP8 - "B" JP9 - No jumper.2. Check adjustment of R13 on 574 board.3. Replace 574 board.4. Replace display.5. Replace 502 board or complete front panel. |
| Backlight "OFF". | <ol style="list-style-type: none">1. 5 Volt supply missing.2. Faulty display. | <ol style="list-style-type: none">1. Check 5 Volt supply on 502 board. Ensure no loose connections for 5 Volt supply from 502 board to display.2. Replace display if necessary. |
| Backlight "PARTLY OFF" | <ol style="list-style-type: none">1. Faulty display. | <ol style="list-style-type: none">1. Replace display if necessary. |
| Digital Outputs (230vac) 0 to 11 is not ON. | <ol style="list-style-type: none">1. Fuse blown. | <ol style="list-style-type: none">1. Check F6, F7 and F5 and replace if necessary (FF5A).2. Ensure no loose connections J8. |

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| Digital Outputs (24Vdc) 12 to 23 is not ON. | <ol style="list-style-type: none"> 1. Fuse blown. 2. Loose connections. | <ol style="list-style-type: none"> 1. Check F4, F2 and F3 and replace if necessary (F5A). 2. Ensure no loose connections J7. |
| Digital Outputs (230vac) 0 to 11 is always ON. | <ol style="list-style-type: none"> 1. Blown transistors. Because of bad solenoid coil. | <ol style="list-style-type: none"> 1. Replace the bad solenoid coil. 2. Sent the CELLmatic 1502 front part, to Us, for repair, calibration and adjustment. |
| No power on unit. | <ol style="list-style-type: none"> 1. No incoming AC supply. 2. Fuse blown. | <ol style="list-style-type: none"> 1. Ensure power to unit. 2. Replace F1 (F250mA). |
| Capacity will not achieve 100% | <ol style="list-style-type: none"> 1. Wrong calibration. 2. Faulty transmitters. | <ol style="list-style-type: none"> 1. Recalibrate compressor unit. 2. Replace transmitters. |
| Cannot see, or go to Setpoint R – U | <ol style="list-style-type: none"> 1. Not filled out, the fist upstart picture. | <ol style="list-style-type: none"> 1. Perform a cold start. See at CELLmatic Homepages, how to make, a Cold start. |
| If the control makes the start sequence, but do not starts up the Main motor. | <ol style="list-style-type: none"> 1. There comes no signal, to the Motor-starter. | <ol style="list-style-type: none"> 1. Check the Emergency stop Button at the CELLmatic 1502. 2. Bad loose connections. |
| CUTOUT MOTOR. | <ol style="list-style-type: none"> 1. No feedback from motor-starter | <ol style="list-style-type: none"> 1. Check the Emergency stop Button at the CELLmatic 1502. 2. Bad loose connections. Check all the connections from CELLmatic 1502 to the main-panel. |