

2. Restoring PSD

The PSD can be restored using an SD card without using a PC, simplifying device cloning or replacing a faulty device. The procedure follows the configuration of the SD card outlined in the previous section.

1. Ensure that the source PSD and the target PSD have the same order code
2. Ensure that the PSD is powered off and disconnected from the power supply
3. Insert the SD card into the C11 slot located on the front of the PSD
4. Note the positions of switches S12 and S13 on the front of the unit
5. Set S12 to "F" and S13 to "D"
6. Power on the PSD by providing only 24Vdc supply
7. LEDs P14, P15, and P16 will start blinking irregularly
8. The drive will boot from the SD card and copy the new configuration into memory
9. If the procedure is successful, LEDs P14, P15, and P16 will blink green alternately. Otherwise, they will blink red. In case of errors, a *Logfile.txt* will be generated on the SD card with a description of the problem.
10. Reset switches S12 and S13 to their previously noted positions
11. Turn off the drive by disconnecting the 24Vdc logic power, wait 5 seconds, and turn it back on, providing power supply as well
12. The PSD is now configured and ready to operate

i If the replaced drive is connected to a multi-turn absolute encoder, the procedure will also copy the encoder's reference point (provided the motor remains the same). If the motor is replaced, the axis will be set to "*Not Referenced*".

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