

Zero Down Time (ZDT) Alert Help

Error: ESTAT HV Warning

Cause: The current detected from the E-stat High Voltage Controller (while painting) did not go above the minimum threshold (Default = 10 μ A).

Remedy: 1) The E-stat cable or controller may not be maintaining the required High Voltage. Check the E-stat cable and controller. 2) The threshold may need to be adjusted (KAREL Variable).

Reset: Reset automatically occurs upon a fault reset of the robot controller.

Error: High Pos Can Trq Warn

Cause: The positive motor torque for the paint canister is approaching the high limit.

Remedy: This alarm indicates the piston inside the paint canister is having difficulty retracting during a fill cycle. The canister piston and other canister components should be checked.

Reset: Reset automatically occurs upon a fault reset of the robot controller.

Error: ITV: Test Out Of Date

Cause: This indicates the ITV test (Ghost Job 98) has not been run for a period of time, (Default = 7 Days).

Remedy: Run the ITV test (Ghost Job 98) job. ITV warnings will be posted if required after the test is completed.

Reset: Reset occurs when the ITV test is run.

Error: ITV: BS Warning

Cause: This indicates the Bell Speed ITV did not achieve one or more of the commanded settings during the ITV test.

Remedy: Inspect the Bell Speed ITV. Please note: On VBIII systems, a leaky booster can cause an incorrect test result.

Reset: Reset occurs when the ITV test posts a pass status.

Error: ITV: SA Warning

Cause: This indicates the Shaping Air ITV did not achieve one or more of the commanded settings during the ITV test.

Remedy: Inspect the Shaping Air ITV as soon as possible. The flow meter will detect leakage at fittings and produce an incorrect test result. Please check the integrity of the entire shape air circuit.

Reset: occurs when the ITV test posts a pass status.

Error: ITV: SA2 Warning

Cause: This indicates the Shaping Air 2 ITV did not achieve one or more of the commanded settings during the ITV test.

Remedy: Inspect the Shaping Air 2 ITV as soon as possible. The flow meter will detect leakage at fittings and produce an incorrect test result. Please check the integrity of the entire shape air 2 circuit.

Reset: occurs when the ITV test posts a pass status.

Error: J1 Backlash Test Out Of Date

Cause: This indicates the J1 Backlash test (Ghost Job 99) has not been run for a period of time, (Default = 30 days).

Remedy: Run the J1 Backlash test (Ghost Job 99). The data is analyzed automatically after the test is complete. If the results are "Send J1 Data To FANUC", the data file should be copied to a removable disk and uploaded to the FANUC ftp site. FANUC will advise a strategy to investigate and repair the problem. To find out how to save and send the data to FANUC, please scroll down to the "Saving and Sending Data To FANUC" help Topic.

Reset: Right click the "Send J1 Data To FANUC" message on the ZDT Test Status screen and select "Reset Status".

Error: Send Minor Axis Data To FANUC

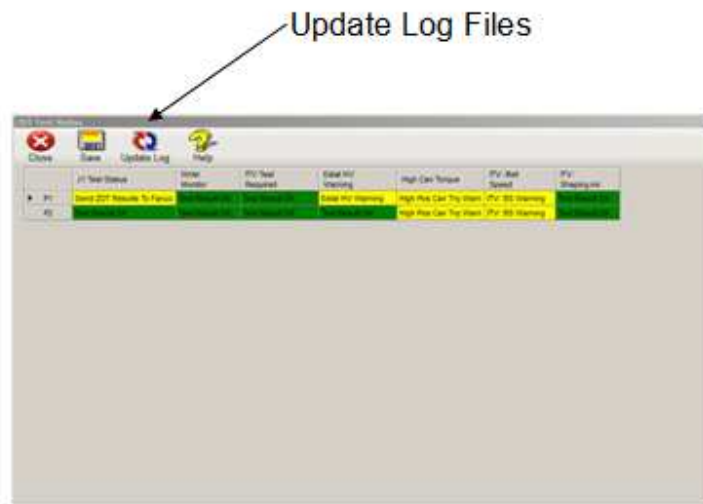
Cause: This indicates one or more of the robot minor axes has approached excessive torque limits.

Remedy: The data should be copied to a removable disk and uploaded to the FANUC ftp site. FANUC will advise a strategy to investigate and repair the problem. To find out how to save and send the data to FANUC, please scroll down to the “Saving and Sending Data To FANUC” help Topic.

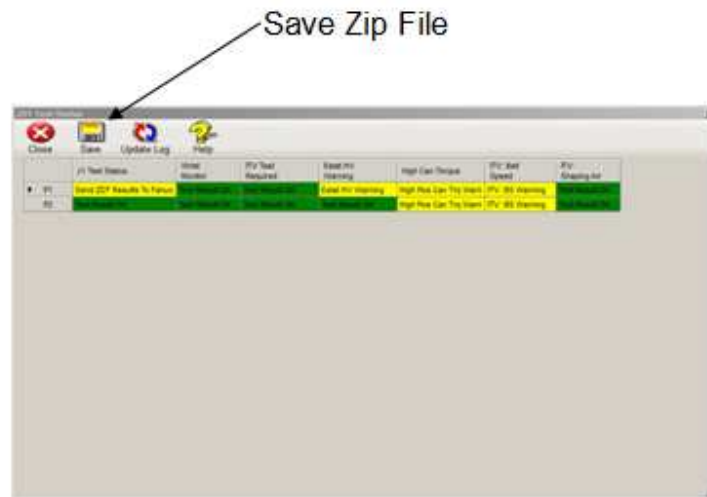
Reset: Reset automatically occurs upon a fault reset of the robot controller.

Sending Data To FANUC:

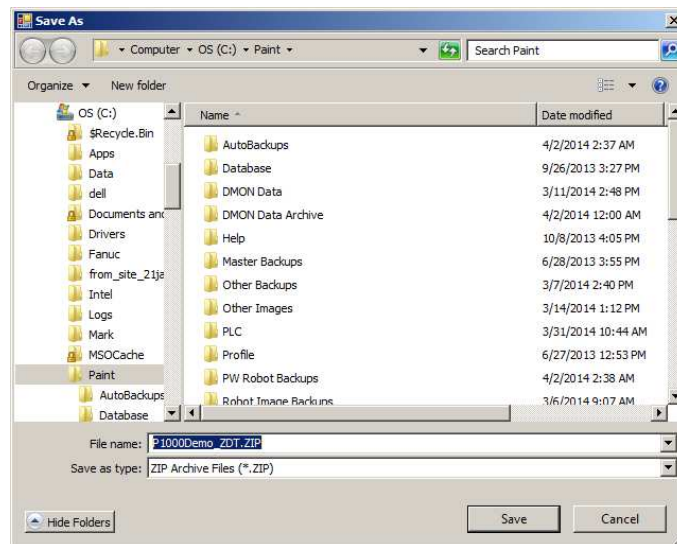
1. The test log files should first be refreshed with the latest ZDT test data. To update the log files, press the “Update Log” button on the ZDT Test Status screen.



2. The log files must then be saved into a zip file for sending to FANUC. To save the log files click the “Save” button on the ZDT Test Status screen. You will be prompted to update the log files in case you haven’t previously done that.



3. You will next be prompted for a location to save the zip file. You can save the file to the Paintworks computer for backup purposes, but you should also save to a removable drive to be able to transfer the files to FANUC.



4. To transfer the files to FANUC, you must use a computer that has internet access. Plug the removable disk into the PC so you can access the zip file. Connect to the FANUC ftp site using the following information:

<https://filetransfer.fanucrobotics.com>

UserName = zdt

Password = 7tydz

Go to Folders: / Home / ZeroDownTime

Choose the folder for your facility and upload the file.

5. Once the data is uploaded to the ftp site, send an e-mail to your FANUC contact letting them know you have uploaded ZDT test data.