MITSUBISHI ELECTRIC
Changes for the Better

Variable Frequency Drive Restart Checklist

Consider the following checks while restarting your VFD.

Power Off Checks

- Check all wiring for terminal tightness and heat discoloration
- Check all wiring for earth grounds
- Check Network connection
- Check Motor connection wiring
- Check Motor for earth grounds
- Check up-stream and incoming power distribution and transformers
- Clean and check system filters and fans
- Check system enclosures for contaminates and clean
- Check mechanical power transmission on machinery being driven by Inverter
- Perform all normal preventive maintenance procedures that already been established.

Power on Checks

- Check incoming power supply, 3 phase.
- Check VFD parameters against save documented set.
- Check Low level power supplies, encoder, reference, etc. Re-torque connections if needed.
- Check enclosure and inverter fans for operation. Inspect cooling fan for dirt or any other debris.
- If the VFD has not been powered-up for 2 years or more, a capacitor reform procedure should be done.
- Check DC bus voltage
- Check I/O Operation
- Check Emergency Stop Operation
- Check All Safety System Operation
- First time operation at very low speed monitoring current and loading.
- Monitor and observe operation for a time frame to catch any issue.

Return to normal operation.

This checklist is a recommendation only and completion of these items cannot ensure all potential issues are avoided. For full support on restart of a variable frequency drive after extended shutdown or those not properly shut down for a long term, please contact our service support at 1-800-950-7781.