

Delta MS300 VFD “b4GFF” Alarm

The b4GFF alarm is caused by the VFD sensing a ground fault before a run command, it locks out the VFD in order to protect the equipment.

- It can be caused by a power issue in the building such as a lightning strike or a power failure.
- It could also be caused by bad motor windings or a bad wire feeding the motor.

To test the VFD, disconnect the power wires from UVW that feed the motor and give the VFD a run command.

- If the command is accepted and the fault does not occur (VFD goes into run), the VFD is operational (the issue is outside of the VFD), inspect the motor leads and the motor windings.
- If the fault still occurs with the motor wires disconnected, it is likely that the IGBT board in the VFD has been damaged and the VFD should be replaced.