

Precision *Quality Industrial Controls*

Electronic Services, Inc.

The following is a listing of the possible fault codes of the Allen Bradley PowerFlex 40 drive and short descriptions of the causes.

F2 Auxiliary Input - Auxiliary input interlock is open

F3 Power Loss - DC bus voltage is below 85% of nominal

F4 UnderVoltage - DC bus voltage is below minimum value

F5 OverVoltage - DC bus voltage is over maximum value

F6 Motor Stalled - Drive is not able to accelerate motor

F7 Motor Overload - Internal electronic overload trip

F8 Heatsink Overtemp - Heatsink temperature exceeds set value

F12 HW OverCurrent - The drive output current has exceeded the hardware current limit

F13 Ground Fault - A current path to ground has been detected at one or more output terminals

F29 Analog Input Loss - A signal loss at an analog input has occurred

F33 Auto Restart Tries - Drive failed to reset a fault and resume running

F38 Phase U to Ground - A phase to ground fault has been detected in this phase

F39 Phase V to Ground - A phase to ground fault has been detected in this phase

F40 Phase W to Ground - A phase to ground fault has been detected in this phase

F41 Phase UV Short - Excessive current has been detected between these two output terminals

F42 Phase UW Short - Excessive current has been detected between these two output terminals

F43 Phase VW Short - Excessive current has been detected between these two output terminals

F48 Parameters Defaulted - Drive was commanded to write default values to EEPROM

F63 SW OverCurrent - Programmed current trip has been exceeded

F64 Drive Overload - Drive rating of 150% for 1 minute or 200% for 3 seconds exceeded

F70 Power Unit - Failure has been detected in the drive power section

F71 Net Loss - The communication network has faulted

F80 SVC Autotune - Autotune function has failed or was cancelled by the user

F81 Comm Loss - RS485 (DSI) port has stopped communicating

F100 Parameter Checksum - The checksum read does not match the checksum calculated

F122 I/O Board Fail - Failure has been detected in the drive control and I/O section

Many of the faults listed can be cleared with minor adjustments or corrections. If the fault cannot be cleared, call on the Allen Bradley repair experts at Precision Electronic Services, Inc.

Call 800-732-4695 Email service@pesquality.com

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