

Password is either "3" or "225"

The table below lists the fault conditions that will cause the drive to shut down, as well as some possible causes. Please contact the factory for more information on troubleshooting faults.

FAULT MESSAGES	
FAULT	DESCRIPTION & POSSIBLE CAUSES
AF	High Temperature Fault: Ambient temperature is too high; Cooling fan has failed (if equipped).
CF	Control Fault: A blank EPM, or an EPM with corrupted data has been installed. Perform a factory reset using Parameter 48 - PROGRAM SELECTION.
cF	Incompatibility Fault: An EPM with an incompatible parameter version has been installed. Either exchange the EPM, or perform a factory reset (Parameter 48) to change the parameter version of the EPM to match the parameter version of the drive.
dF	Dynamic Braking Fault: The drive has sensed that the dynamic braking resistors are overheating and shuts down to protect the resistors.
EF	External Fault: TB-13A and/or TB-13C is set as an External Fault input and TB-13A and/or TB-13C is open with respect to TB-2. Refer to Parameter 10 or 12.
GF	Data Fault: User data and OEM defaults in the EPM are corrupted.
HF	High DC Bus Voltage Fault: Line voltage is too high; Deceleration rate is too fast; Overhauling load. For fast deceleration or overhauling loads, dynamic braking may be required.
JF	Serial Fault: The watchdog timer has timed out, indicating that the serial link has been lost.
LF	Low DC Bus Voltage Fault: Line voltage is too low.
OF	Output Transistor Fault: Phase to phase or phase to ground short circuit on the output; Failed output transistor; Boost settings are too high; Acceleration rate is too fast.
PF	Current Overload Fault: VFD is undersized for the application; Mechanical problem with the driven equipment.
SF	Single-phase Fault: Single-phase input power has been applied to a three-phase drive.
UF	Start Fault: Start command was present when the drive was powered up. Must wait 2 seconds after power-up to apply Start command if START METHOD is set to NORMAL.
F1	EPM Fault: The EPM is missing or damaged.
F2 - F9, Fo	Internal Faults: The control board has sensed a problem - consult factory.

To clear a fault, issue a STOP command, either on the terminal strip, or using the STOP button on the optional remote keypad. The fault will only clear if the condition that caused the fault has passed. For example, if the drive trips on a LOW DC BUS VOLTAGE FAULT (LF) due to low input voltage, the fault cannot be cleared until the input voltage returns to a normal level.

If the drive is programmed to automatically restart after a fault (see Parameter 03), the drive will attempt to restart three times after a fault (the drive will not restart after CF, cF, GF, F1, F2-F9, or Fo faults). If all three restart attempts are unsuccessful, the drive will trip into FAULT LOCKOUT (LC), which requires a manual reset as described above.

FAL - dipswitch set incorrectly

SPEED SOURCE DISPLAYS

DISPLAY	DESCRIPTION
CP	CONTROL PAD: Speed/torque is set using the s and t buttons on the front of the drive.
EI	EXTERNAL CURRENT: Speed/torque source is a 4-20 mA signal wired to TB-25 and TB-2.
EU	EXTERNAL VOLTAGE: Speed/torque source is a 0-10 VDC signal wired to TB-5 and TB-2.
JG	JOG: The drive is in Jog mode, and the speed is set by Preset Speed #2 (Parameter 32).
OP	MOP (Motor Operated Pot): Contacts wired to TB-13B and TB-13C are used to increase and decrease the drive speed.
Pr1 - Pr7	PRESET SPEEDS #1-7: Speed is set by the indicated Preset Speed (Parameters 31-37).




NOTE

The speed source displays will flash when the speed reference source is changed while the drive is running to indicate that the new speed reference source is active.

17.3 STATUS AND WARNING MESSAGES

STATUS AND WARNING MESSAGES

DISPLAY	DESCRIPTION
br	DC BRAKING: The DC braking circuit is activated.
cE	"cE" will be displayed if an EPM from a drive with a previous parameter version is installed into a new drive, and an attempt is made to change any parameter settings. The parameters cannot be changed until the Translate function is performed (parameter 48, setting 06).
CL	CURRENT LIMIT: The output current has exceeded the CURRENT LIMIT setting (Parameter P25) and the drive is reducing the output frequency to reduce the output current. If the drive remains in CURRENT LIMIT for too long, it can trip into a CURRENT OVERLOAD fault (PF).
Er	ERROR: Invalid data has been entered or an invalid command was attempted.
GE	"GE" will be displayed if an attempt is made to change the OEM default settings when the drive is operating in the OEM mode (see Parameter 48).
GF	If "GF" is displayed when a RESET OEM is attempted, it indicates that the OEM defaults in the EPM are corrupted. If "GF" is displayed upon power-up, it indicates that the OEM defaults and the user settings in the EPM are corrupted. Refer to Section 13.1.
LC	FAULT LOCKOUT: The drive has failed three restart attempts and requires a manual reset.
SE	SERIAL: The optional remote keypad is active as the user interface instead of the buttons on the front of the drive. See Parameter 14 - CONTROL.
SP	START PENDING: "SP" blinks during the interval between restart attempts.
	DECCEL OVERRIDE: The drive has stopped decelerating to avoid tripping into an HF fault due to regenerative energy from the motor.