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Things to know about your VFD

• When power is first applied to the VFD it requires four seconds for the startup sequence before becoming functional.

• On initial power up or when the emergency stop has been activated the VFD is in fault status until the fault has been cleared by pressing the red stop soft key.

• Phasing of the input power does not effect the phasing of the VFD’s output power.
CLEARING STARTUP FAULT

To clear the startup fault press the “soft stop” or clear fault button.

CONVEYOR READY FOR OPERATION

Conveyor is ready to run when “Stop” is displayed.

STARTUP CYCLE OF VFD REQUIRES 4 SECONDS WHEN POWER IS FIRST APPLIED

F.EF is displayed when VFD has completed the power up cycle.
OPERATING SCREEN WHEN POWER IS ON

STARTING THE CONVEYOR

STOPPING THE CONVEYOR - NORMAL
STOPPING THE CONVEYOR – IMMEDIATE

PRESS THE “CONVEYOR STOP” BUTTON FOR IMMEDIATE STOP

STOP DISPLAY

“F.EF” WILL APPEAR ON THE DISPLAY
RELEASE THE STOP BUTTON

TWIST THE “CONVEYOR STOP” BUTTON TO RELEASE

RE-STARTING THE CONVEYOR

PRESS THE SOFT “STOP” BUTTON. THE DRIVE WILL RESET AND “STOP” WILL BE DISPLAYED.

THE CONVEYOR IS NOW READY TO RUN.
CHANGING THE MOTOR DIRECTION

Press the "ENTER" button to confirm direction.

Press the "SOFT STOP" button for normal stop.

Press the direction button.

Direction indicator will flash.
RUNNING THE CONVEYOR WITH “M-CODES

PRESS THE “STOP” BUTTON. THE DISPLAY WILL INDICATE THAT THE CONVEYOR IS STOPPED.

THE MACHINE M-CODES TO RUN THE CONVEYOR:
M24 = CONVEYOR START
M25 = CONVEYOR STOP

THE DISPLAY WILL INDICATE THE DIRECTION AND SPEED.

CAUTION: ALL PERSONELL MUST STAY CLEAR OF THE CONVEYOR WHILE IN “AUTO” MODE AS IT WILL AUTOMATICALLY START AND STOP WITHOUT WARNING!
COMMON FAULTS

THE CONVEYOR IS JAMMED OR THE YELLOW "CONVEYOR STOP" BUTTON IS Pressed.

FAULT CODE APPEARS ON DISPLAY

ATTEMPT TO CLEAR THE FAULT

PRESS THE “SOFT STOP” BUTTON TO CLEAR FAULT

IF THE CONVEYOR IS JAMMED AND PRESSING THE “SOFT STOP” BUTTON CLEARS THE FAULT, CHANGE THE MOTOR DIRECTION AND RUN AT HIGHEST SPEED FOR 60 SECONDS TO CLEAR CHIPS FROM INSIDE THE CONVEYOR.
IF PRESSING “SOFT STOP” DOES NOT CLEAR THE FAULT, CHECK THAT THE YELLOW “CONVEYOR STOP” BUTTON IS NOT PRESSED.

GENTLY TWIST THE “CONVEYOR STOP” BUTTON TO RELEASE.
TROUBLESHOOTING:
THE HENNIG VARIABLE SPEED DRIVE HAS NO
USER SERVICABLE INTERNAL COMPONENTS OR
WIRING. PARAMETERS ARE LOCKED TO PROTECT
THE DRIVE UNIT AND MAINTAIN WARRANTY.

FAULT CODES

F_AF = HIGH TEMPERATURE FAULT – TURN OFF MOTOR AND ALLOW TO COOL.
F_bF = DRIVE HARDWARE FAULT - CYCLE POWER TO DRIVE.
F_CF = CONTROL FAULT – REPLACE DRIVE.
F_EF = EXTERNAL FAULT – STOP ENGAGED. POWERUP COMPLETE. SEE PAGE 9.
F_F1 – F_F12 = INTERNAL FAULTS – REPLACE DRIVE.
F_HF = HIGH VOLTAGE – INCOMING VOLTAGE IS TOO HIGH.
F_LF = LOW VOLTAGE – INCOMING VOLTAGE IS TOO LOW.
F_OF = OUTPUT FAULT – CHECK MOTOR/CABLE. REPLACE MOTOR IF DEFECTIVE.
F_0F1 = GROUND FAULT – GROUNDED MOTOR PHASE. CHECK MOTOR.
F_PF = OVERLOAD FAULT - LET MOTOR COOL. CHECK CONVEYOR FOR JAMMING.
F_SF = SINGLE PHASE - INCOMING PHASE LOSS. CHECK INCOMING POWER.
F_UF = START FAULT – START COMMAND PRESENT WHEN POWER IS APPLIED.
WAIT AT LEAST 4 SECONDS AFTER APPLYING POWER TO APPLY START COMMAND.

FOR SERVICE
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