

|||||HENNIG®

HENNIG VARIABLE SPEED CONVEYOR OPERATING INSTRUCTIONS



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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.

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



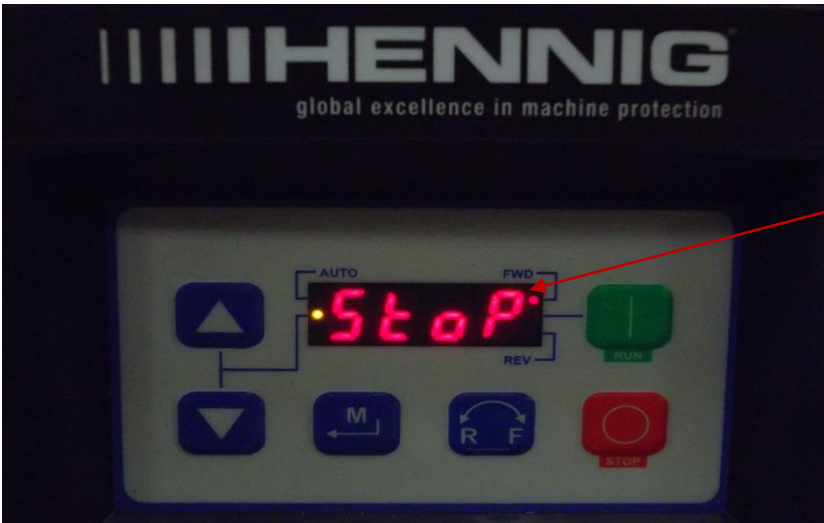
F.E.F IS DISPLAYED WHEN VFD HAS COMPLETED THE POWER UP CYCLE

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

OPERATING SCREEN WHEN POWER IS ON



RUN
CONVEYOR

"SOFT STOP"
OR
CLEAR FAULT

STARTING THE CONVEYOR

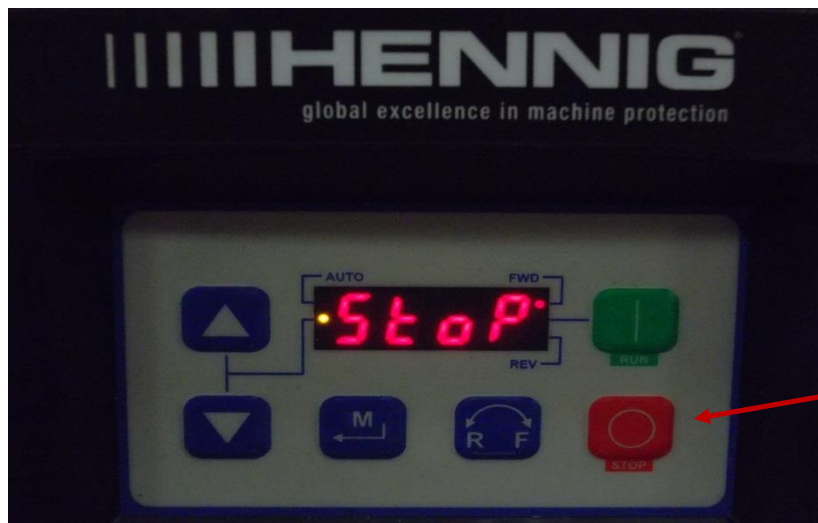


ADJUST
SPEED UP

ADJUST
SPEED
DOWN

PRESS THE "RUN"
BUTTON. THE
CONVEYOR WILL
START AND SPEED
WILL BE DISPLAYED

STOPPING THE CONVEYOR - NORMAL



PRESS THE
"SOFT STOP"
BUTTON FOR
NORMAL
STOP

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

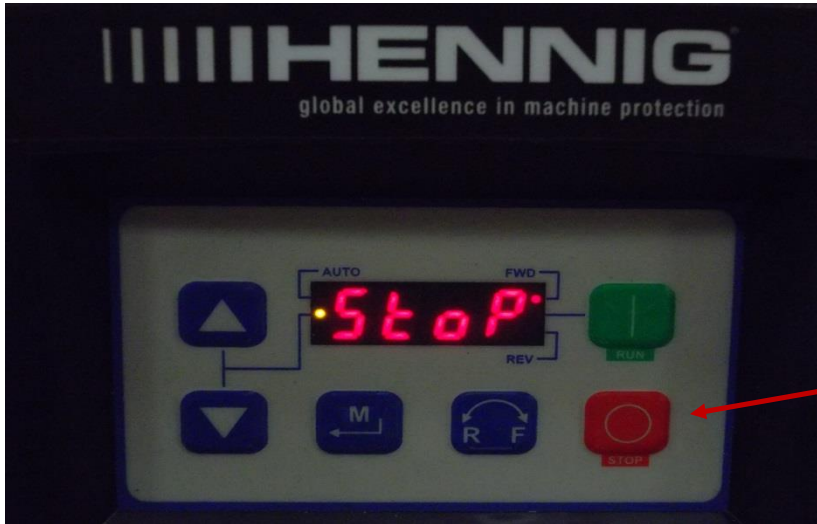
RE-STARTING THE CONVEYOR



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
"SOFT STOP"
BUTTON FOR
NORMAL
STOP



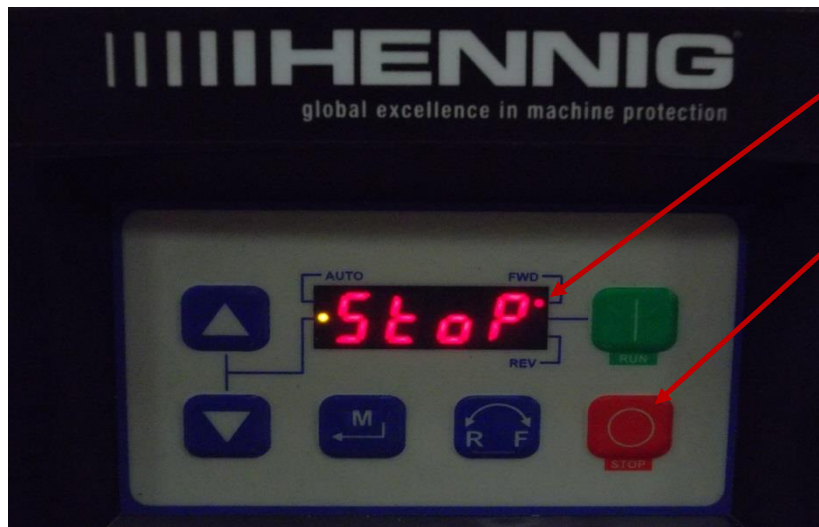
PRESS THE
DIRECTION
BUTTON



PRESS THE
"ENTER"
BUTTON TO
CONFIRM
DIRECTION

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

AUTO MODE
INDICATOR



MOTOR DIRECTION
AND SPEED
INDICATION

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_OF1 = 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 APPLING POWER TO APPLY START COMMAND.

FOR SERVICE

CALL HENNIG, INC. (815) 636-9900