

|||||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 conveyor stop has been activated the VFD is in fault status until the fault has been cleared by pressing the Red Soft Stop 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



"E-TRIP" IS DISPLAYED WHEN VFD HAS COMPLETED THE POWER UP CYCLE AND THE CONVEYOR STOP BUTTON IS DEPRESSED.

CLEARING STARTUP FAULT



TO CLEAR THE STARTUP FAULT PRESS THE "SOFT STOP" BUTTON

CONVEYOR READY FOR OPERATION



CONVEYOR IS READY TO RUN WHEN "STOP" IS DISPLAYED

RUNNING THE CONVEYOR IN MANUAL MODE

CONVEYOR MODE
SELECT SWITCH
SET TO "STOP"
POSITION



SPEED ADJUST
DIAL

TURN THE MODE
SELECT SWITCH
TO "MAN FWD"



SPEED WILL BE
DISPLAYED IN
HERTZ. THE RANGE
IS FROM 10 TO 90
HERTZ (17% TO
150% OF THE
MOTOR RATING)

STOPPING THE CONVEYOR IN MANUAL MODE

ROTATE THE
CONVEYOR MODE
SELECT SWITCH
CCW TO "STOP"
POSITION



STOPPING THE CONVEYOR –IMMEDIATE



PRESS THE
"CONVEYOR STOP"
BUTTON FOR
IMMEDIATE
STOP

STOP DISPLAY



"E-TRIP" 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.

RUNNING THE CONVEYOR IN REVERSE

TURN THE MODE SELECT SWITCH TO THE "STOP" POSITION



PRESS THE "JOG-REV" BUTTON. THE CONVEYOR WILL RUN IN REVERSE AS LONG AS THE BUTTON IS PRESSED.

RUNNING THE CONVEYOR IN AUTO MODE

THIS FUNCTION IS ONLY AVAILABLE IF THE MACHINE HAS BEEN CONFIGURED TO RUN A CONVEYOR.

TURN THE CONVEYOR MODE SELECT SWITCH TO THE "AUTO FWD" POSITION



SPEED INDICATION

THE DISPLAY WILL INDICATE THE MOTOR 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.

TURN THE
CONVEYOR MODE
SELECT SWITCH
TO THE “OFF”
POSITION



“E-TRIP” APPEARS
ON DISPLAY

ATTEMPT TO CLEAR THE FAULT



PRESS THE “SOFT
STOP” BUTTON TO
ATTEMPT FAULT
RESET

IF THE CONVEYOR IS JAMMED AND PRESSING
THE “SOFT STOP” BUTTON CLEARS THE FAULT,
RUN IN REVERSE AT THE 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.



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

O-I = INSTANTANEOUS OVERCURRENT– CHECK MOTOR AND CABEL FOR SHORT CIRCUIT.
I.t.trp= MOTOR THERMAL OVERLOAD. CHECK CONVEYOR FOR JAM.
O-t = HEATSINK OVERTEMP. AMBIENT TEMPERATURE MAY BE TOO HIGH.
E-trip = STOP ENGAGED. POWERUP COMPLETE, OR OVERCURRENT. SEE PAGES 4 AND 10.
P-LOSS = INPUT PHASE LOSS. CHECK INCOMING POWER SUPPLY.
H O-I = OVERCURRENT DRIVE OUTPUT. CHECK MOTOR AND CABLE FOR SHORT CIRCUIT.
Th-Flt = REPLACE DRIVE.
dAtA-F = REPLACE DRIVE.
dATa-E = REPLACE DRIVE.
F-Ptc = REPLACE DRIVE
FAN-F = REPLACE DRIVE
O-hEAt = AMBIENT TEMPERATURE IS TOO HIGH.
Out-F = REPLACE DRIVE
Out-Ph = MOTOR PHASE MISSING. CHECK MOTOR

FOR SERVICE

CALL HENNIG, INC. (815) 636-9900