MELINK®
Intelli-Hood®Controls

Problem:			Items to Check:

1 — **Keypad appears normal but fans not running**
CLEAN ○   FAULT ○   `H-2`
a. Determine which hood is not working at bar graph.
b. Determine fan speed by counting # bars on bar graph.
c. Push 100% button to see if fans go full speed.
d. Check exhaust fan on roof is running.
   -Check if fan disconnect switch is turned on.
   -Check if fan belt adjusted for tension (replace if not).
   -Check if motor is functional (replace if not).

2 — **Keypad displays "E" and bar graph flashing**
CLEAN ○   FAULT ○   `H1-E`
a. Press 100% / Reset button to return to auto mode.

3 — **Keypad is blank and fans ARE running**
CLEAN ○   FAULT ○
a. Press fan button on Keypad to see if it activates.
b. Check for tripped breaker that feeds I/O Processor.
c. Open I/O Processor to verify power LED is on.
d. Check for tripped breaker inside I/O Processor.

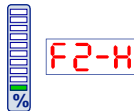**4** — **Keypad is blank and fans are NOT running**
CLEAN ○   FAULT ○
a. Press fan button on Keypad to see if it activates.
b. Check breakers for I/O Processor and exhaust fans.
c. Check display on VFDs for a fault (i.e. F7 or F13).
d. Press VFD reset switch, or turn breaker off and on.
e. Refer to troubleshooting guide for VFD keypad.

5 — **Keypad shows "–H" or "-h" and fault light (Temp. Fault)**
CLEAN ○   FAULT ●   `F2-H`
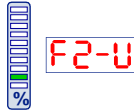a. Determine hood number with the 'temp fault'.
b. Check cables connections from temp. sensor to IOP.
c. See if temp. sensor resistance is about 100 Ohms.
d. Check *Simplissimo* hood menu #6.

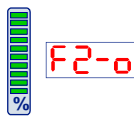**6** — **Keypad shows "–U" and fault light (VFD Fault)**
CLEAN ○   FAULT ●   `F2-U`
a. Determine hood number with the 'VFD fault'.
b. Check cables connections from VFD to I/O Processor.
c. Check display on VFDs for a fault (i.e. F7 or F13).
d. Press Reset switch on Melink keypad for 15 seconds.
e. Refer to troubleshooting guide for VFD keypad.

7 — **Kepyad shows "–o" and CLEAN light flashes red/green (Optic Fault 1)**
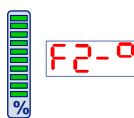CLEAN ☀   FAULT ●   `F2-o`
a. Check if Optic Sensors are dirty & determine which hood.
   - Remove covers and clean lenses with soft cloth.
b. Check for blockage of Optic Sensors' infrared beam.
c. Verify proper hood length on Optic receiver board.
d. Check *Simplissimo* system menu #10
e. Check cables connections from Optics to I/O Processor.
f. Press fan off and on again to recalibrate the Optics.

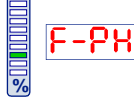**8** — **Keypad shows "–o" and CLEAN light flashes red/green (Optic Fault 2)**
CLEAN ☀   FAULT ●   `F2-O`
a. Optic signal is saturated (signal too strong).
b. Check gain setting on receiver; reduce gain setting.

9 — **Keypad shows "-P" (Remote Access Fault)**
CLEAN ○   FAULT ●   `F-PH`
a. Check that telephone line (analog) is connected.
b. Check that connected line is in operation.
c. If modem is wireless, check that antenna is connected.
d. Check *Simplissimo* system menu #34.

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TROUBLESHOOTING

Problem:		**Items to Check:**
1 Under Voltage	F4	a. Check AC power input to drive for low voltage or line power interruption.
2 Over Voltage	F5	a. Check AC power input to drive for high line voltage. Assure deceleration time is set at 60 seconds.
3 Motor Overload	F7	a. Output current to motor exceeds limit set by parameter P033. Check motor and fan for conditions that may cause excessive motor current. b. Check for appropriate Start Boost (A084).
4 Heatsink Over Temperature	F8	a. Check to see if cooling fan is running. If not, replace fan. b. Check for blocked or dirty heat sink fins. Verify that ambient temperature is not above 104º F.
5 Hardware Overcurrent	F12	a. The drive output current has exceeded the hardware current limit. Check to see if the drive is sized properly for the motor. b. Check for appropriate Start Boost (A084).
6 Ground Fault	F13	a. Check the motor and external wiring for a grounded condition. b. Other potential causes include switching a load-side disconnect during operation and shorted wires. c. Attempt to re-start the drive by pressing the Reset switch on the keypad for approximately 10 seconds.
7 Automatic Restart	F33	a. Drive has automatically re-started from another fault for the programmed number of times. Check the fault history (d008, d009) to determine the cause of the problem.
8 Drive Overload	F64	a. Drive rating of 150% for 1 minute or 200% for 3 seconds has been exceeded. Reduce load or extend acceleration time. b. Attempt to re-start the drive by pressing the Reset switch on the keypad for approximately 10 seconds.