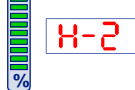
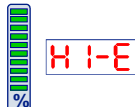
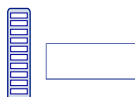
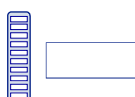
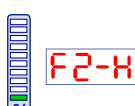
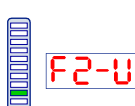
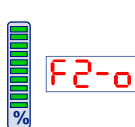
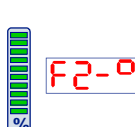
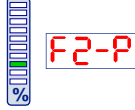


MELINK KEYPAD TROUBLESHOOTING



Problem:

Items to Check:

- | | | |
|--|--|--|
| <p>1 Keypad appears normal but fans not running</p> | <p>CLEAN <input type="radio"/>
FAULT <input type="radio"/></p>  | <p>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).</p> |
| <p>2 Keypad displays "E" and bar graph flashing</p> | <p>CLEAN <input type="radio"/>
FAULT <input type="radio"/></p>  | <p>a. Press 100% / Reset button to return to auto mode.</p> |
| <p>3 Keypad is blank and fans ARE running</p> | <p>CLEAN <input type="radio"/>
FAULT <input type="radio"/></p>  | <p>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.</p> |
| <p>4 Keypad is blank and fans are NOT running</p> | <p>CLEAN <input type="radio"/>
FAULT <input type="radio"/></p>  | <p>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.</p> |
| <p>5 Keypad shows "-H" and fault light (Temp. Fault)</p> | <p>CLEAN <input type="radio"/>
FAULT <input checked="" type="radio"/></p>  | <p>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 <i>Simplissimo</i> hood menu #6.</p> |
| <p>6 Keypad shows "-U" and fault light (VFD Fault)</p> | <p>CLEAN <input type="radio"/>
FAULT <input checked="" type="radio"/></p>  | <p>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.</p> |
| <p>7 Keypad shows "-o" and CLEAN light flashes red/green (Optic Fault 1)</p> | <p>CLEAN <input checked="" type="radio"/>
FAULT <input checked="" type="radio"/></p>  | <p>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 <i>Simplissimo</i> system menu #10
e. Check cables connections from Optics to I/O Processor.
f. Press fan off and on again to recalibrate the Optics.</p> |
| <p>8 Keypad shows "-o" and CLEAN light flashes red/green (Optic Fault 2)</p> | <p>CLEAN <input checked="" type="radio"/>
FAULT <input checked="" type="radio"/></p>  | <p>a. Optic signal is saturated (signal too strong).
b. Check gain setting on receiver; reduce gain setting.</p> |
| <p>9 Keypad shows "-P" (Remote Access Fault)</p> | <p>CLEAN <input type="radio"/>
FAULT <input checked="" type="radio"/></p>  | <p>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 <i>Simplissimo</i> system menu #34.</p> |

VFD KEYPAD TROUBLESHOOTING



Problem:

Items to Check:

1	Under Voltage		<ul style="list-style-type: none"> a. Check AC power input to drive for low voltage or line power interruption.
2	Over Voltage		<ul style="list-style-type: none"> a. Check AC power input to drive for high line voltage. Assure deceleration time is set at 60 seconds.
3	Motor Overload		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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 104° F.
5	Hardware Overcurrent		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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.