

TROUBLESHOOTING

Error Messages

In the event the microprocessor detects a malfunction the display shows an error window with a brief description and Err number. Except for vacuum and motor lift errors the QEX aborts the firing cycle, the power relays open, an acoustic warning signal can be heard and the operator must unplug the unit from the AC line.

- **No Temp Signal**

The thermocouple is open

- **Temperature too high**

The thermocouple reading is above 1210°C

- **No Temp Increase**

A thermocouple was installed with the wrong polarity (backwards).

- **Triac Shorted**

The muffle current sensor detected no current control (always on).

- **Muffle Open**

The muffle current sensor detected no current.

- **No Vacuum**

The vacuum sensor reading does not change:

- Check hose, electrical pump connections
- Check proper door closure

- **Low Vacuum**

The vacuum level achieved is not acceptable for porcelain firing (should be less than 100mm):

- Check pump performance
- Check proper door closure

- **Motor too Slow**

The muffle travel took longer than 12 seconds:

- Check for excessive friction or interference.

- **Motor: No Signal**

The motor position sensor reads values outside its operating range.

- **Wrong Card**

Only QEX cards are valid, cards from other furnaces do not work.

- **Read Only**

This card cannot be written to.