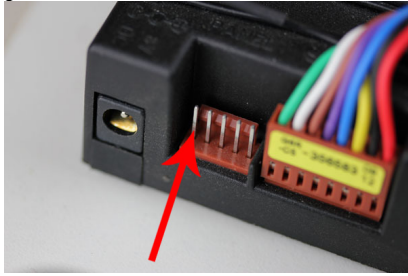


## Valor Basic Troubleshooting – Maxitrol GV60 (remote ignition models)

### Always start by checking batteries!

- Multimeter set on DC volts, red probe to fireplace ground, black probe to far left wall switch pin on receiver.



5.8 to 6.4 volts OK  
(4 x 1.5v AA batteries total)

Less than 5.8 volts, replace all 4 AA batteries with Duracell or Energizer

### Thermocouple Output

- Multimeter set to lowest DC volts scale
- Multimeter red probe to fireplace ground, black probe to receiver RED terminal
  - 8 to 13 millivolts OK
  - less than 8 millivolts, check pilot flame on T/C (low inlet pressure), check all connections tight, if need be – replace T/C (rare!).
- Multimeter probes across RED and YELLOW terminals
  - Should be around 2 millivolts. If more than 4 millivolts, replace receiver.

### Electromagnet (in valve) dropout test

- Light pilot only and let warm up for 1 min.
- Shut off gas and time how long before you hear click from valve (electromagnet dropping out).
  - Should dropout around 25 – 30 seconds. Less than 15 seconds is bad.
  - Multimeter on YELLOW terminal. Should start at around 12 mV and dropout at around 2 mV. If 5mV or higher, check connections, then replace valve (bad electromagnet)

### Venting Issue

- DV Window Test:
  - Fireplace burns properly with window off.
  - Will not burn properly with window on.
  - You have a vent problem.
    - Check restrictors correct and in right location
    - Exhaust leaking back into fresh air
    - Blocked or torn chimney liner
    - Chimney liners reversed
    - Check fireplace roof brick location correct - all the way to rear

### Pressure Test - All tests performed with fireplace running on **high fire**.

- Inlet pressure: NG: min 5", max 7"; LPG: min 11", max 14"
- Manifold pressure: NG: min 3.5", max 4"; LPG: min 9.5", max 10.5"
- See rating plate for model specific pressures.

For more detailed troubleshooting - **ValorCare** on-line troubleshooting guide.

[www.valorfireplaces.com/dealer](http://www.valorfireplaces.com/dealer) (login required)