

# ZAMIN™ means remote control of your main burner and your decorative flame!

For years gas fireplace and log manufacturers have struggled with single burner appliances to achieve a more realistic flame pattern with efficient heat output. Improvements led to the two burner system, which maintains a constant decorative flame when less heat is required.

- This main burner generates heat output.
- The second burner provides a decorative flame when the main burner is on low.

Many two burner systems feature a temperature modulated or remote controlled main burner, but still require the decorative burner flame to be manually turned on or off.

Now there is a way to control two burners via remote with no outside power source! MERTIK MAXITROL is pleased to introduce the "ZAMIN" feature. When ordered as an option to our popular GV34/38 combination controls, it allows both the adjustable main burner and decorative flame to be turned on and off via remote control.

The second burner:

- maintains a *constant* flow as long as there is flow to the main burner
- maintains a *constant* flow as the main burner flow varies
- turns off when the main burner is turned off.

How does it work?

The GV34/38's motorized knob is activated by remote control to open or close two seats (see diagram below). The operating sequence is as follows:

1. Both seats are closed  
→ only the standing pilot is lit (main and decorative burners are off)
2. Low fire seat snaps full open  
→ gas flow through the minimum rate orifice to main burner  
and  
→ gas flow bypasses orifice to the decorative burner
3. High fire seat opens and gradually opens for increased flow  
→ *variable* gas flow to the main burner  
GV34 remote infinitely adjustable between High and Low settings  
GV38 remote temperature modulated between High and Low settings

When closing, the valve sequence is reversed. This is the innovation of ZAMIN! It allows gas to flow from the low fire seat to both the main and decorative burners.

