

# System Specifications and Installation Guide

## 3 volt system battery operated

### (Installation Guide)

- Battery remote receiver and control module
- Electronic ignition powered by battery pack
- Batteries included with system and are pre-tested
- Batteries will last around 2-3 years
- To install, attach gas line to gas valve located below the center of pan using a 3 to 4 foot gas flex hose (check for leaks before setting system in hearth) layer lava rock on bottom of pan before setting logs, arrange logs as desired, be sure to use care around pilot and spark igniter, (to assure logs are not touching the pilot assembly in any way) turn on gas and system is ready for use
- Available in 24" 30" and 36" systems

## 24 volt system 110 power supply needed

### (Installation Guide)

- To install, attach gas line to gas valve using 3 to 4 foot gas flex hose (check for leaks before setting system in hearth) and attach 110 power line to outlet plug in located on control panel, it is recommended to remove outlet from control panel and mount to side of hearth within 12" of transformer, (use longer pig tail if necessary to reach transformer) this will allow easier access to system, if service is ever needed, layer lava rock on bottom of pan before setting logs, arrange logs as desired using care around pilot and spark igniter (to assure logs are not touching the pilot assembly in any way) turn on gas and power and system is ready for use
- No batteries needed for 24 volt systems, except for the remote control transmitter
- Available in 24", 30" and 36" systems

## Gas Usage

- System uses natural gas or LP
- System's are converted to liquid propane at factory it is very important to use an 11" WC (water column) gas regulator and installed before gas valve (LP gas pressure will blow out the valve beyond repair, without using the proper liquid propane gas regulator)
- 24" system burns 60,000 BTU's, average cost to operate, Sixty cents per hour
- 30" system burns 130,000 BTU's, average cost to operate, One Dollar and Thirty cents per hour and the 36" system burns 180,000 BTU's with an average cost of One Dollar and Eighty cents per hour ( costs are based on natural gas prices in the Denver area and varies from state to state)

## Gas Combustion

- Gas is pre-mixed with oxygen as it flows through the brass jets creating a vortex before ignition, this twirls the flame to produce a brighter and cleaner burn, this emulates a natural burning fire and provides an 18 to 24" flame, as a result of our controlled combustion and the layer of lava rock the system never over heats below the bottom of the pan to protect our controls from melting

## 27" or 31" Round Copper Lid

- Designed to trap heat and centralize it around the hearth, for more usable heat from your fire pit
- Can't be used on any system over 130k BTUs, copper lid will over heat and warp and can not be used with our 36" system

## Log Kit

- Logs are made of concrete with steel reinforcement (outdoor rated)
- Long lasting, sturdy, and natural looking
- Log sizes
  - 24" 7 piece logs
  - 30" 9 piece logs
  - 36" 14 piece logs

## CSA Certified on 24" system

- System is safe to install by anyone
- Can be installed in any backyard (like a gas grill)
- System will pass building codes in the US and Canada

## Automatic Relight Function

- If the flame blows out, the system will automatically relight itself, if ignition does not happen in 90 seconds system will shut down for 5 min. and then retry ignition.

## WT Hearth's

- Comes in round or 12 sided, both 48" in diameter and 21" high and can only be used with our 24" system
- Hearth is steel reinforced concrete and acid washed
- Customize with mix & match selections of 4 acid washed concrete colors and 4 granite options
- Tile is set in the top ring and the base sides to match
- Also available without tile inlay (see web site for details)

## Custom Hearth Specs

- Minimum opening for 24" system for custom built hearths is 24 inch's Inside Diameter; system measures 23&3/4" Outside Diameter
- Minimum opening for 30" system, custom built hearth is 30 inch's Inside Diameter; system measures 29&3/4" Outside Diameter,
- Minimum opening for 36" system, custom built hearth is 36 inch's Inside Diameter; system measures 35&3/4" Outside Diameter,
- (Quick Tip) 30 inch manhole extension's can be used for an easy way to build your hearth, using 3 six inch manhole extensions our 30" sys fits perfect inside these rings, just stack, skim coat outside surface and finish as desired, this is an easy and inexpensive way to build a round hearth and can be found at any concrete pipeline foundry in your area)
- The same (Quick Tip) applies using 37" manhole extensions for our 36" system (see web site for details)
- Hearth needs sufficient drainage built into the bottom of any hearth base to assure proper water shed

