



**Valve Systems:**  
MVK-EI/MOD/NG  
MVK-EI/MOD/LP

**INSTALLATION AND OPERATIONS GUIDE FOR GRAND CANYON GAS 6v MODULATING VALVE  
GRAND CANYON GAS LOGS USES DEXEN M6003V GAS HEATING CONTROLS**

**Installation and service must be provided by a qualified installer, service agency or  
gas supplier**



**CAUTION**

THIS DEVICE SHOULD BE INSTALLED BY A QUALIFIED SERVICE TECHNICIAN WITH DUE REGARD FOR SAFETY AS IMPROPER INSTALLATION COULD RESULT IN A HAZARDOUS CONDITION.



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

**CAUTIONS**

1. This valve system **MUST** be installed by a certified and trained gas professional
2. Turn off gas supply before installing valve.
3. All piping **MUST** meet applicable local codes and ordinances and the national fuel gas codes (ANSI Z223.1/NFPA NO.50)
4. ALL wiring **MUST** meet applicable electrical codes and ordinances.
5. Check out the complete system after installing the valve.
6. Prior to installation, verify conformance with burner installation instructions.

**FOR YOUR SAFETY**

**IF YOU SMELL GAS:**

1. **OPEN ALL WINDOWS**
2. **DO NOT TOUCH ELECTRICAL SWITCHES**
3. **EXTINGUISH ALL OPEN FLAMES**
4. **IMMEDIATELY CALL YOUR GAS SUPPLIER**

**INSTALLER: Leave this manual with the log set**  
**CONSUMER: Retain this manual for future reference.**

## PARTS LIST



**M6003V - NG/LP GAS VALVE**



**8K MODULE - NG/LP**



**RFC REMOTE**



**352-BP - BATTERY PACK**



**352-H WIRE HARNESS**



**352-P/NG/LP PILOT**

### MVK-EI/MOD/(NG/LP) PARTS LIST

1. M6003V – NG/LP 6v Valve
2. 8K Module – NG/LP 6v
3. RFC Remote Transmitter
4. 352-BP – 6v Battery Pack
5. 352-H – Wire Harness w/Switch
6. 352-P/(NG/LP) – Dexen Pilot assembly
7. (2) Flex Line – (Not Shown)
8. (2) MIP x FIP Connector (Not Shown)
9. Heat Shield (Not Shown)
10. 352-Adapter – 6v AC Adaptor (Not Shown) (Optional)

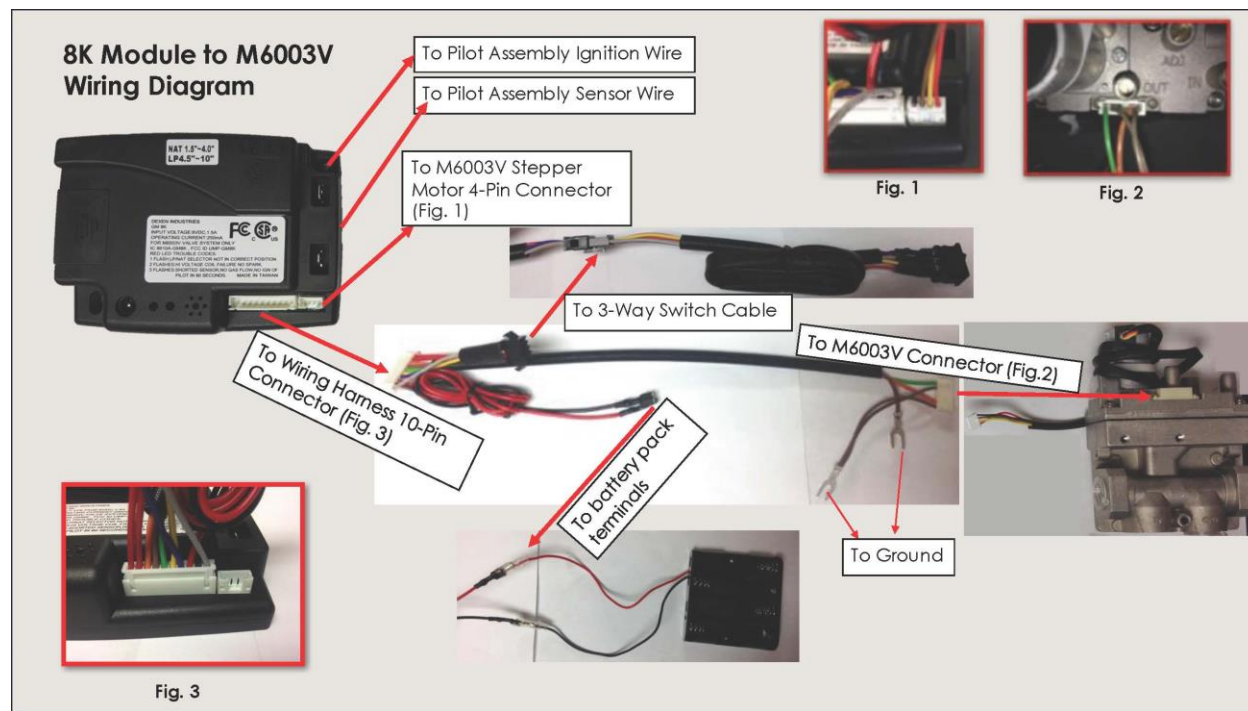
**WARNING:** Installer MUST follow gas flow on the valve. If not valve may not shut off gas.

## INSTALLATION INSTRUCTIONS

Turn off gas supply and electrical power to equipment before servicing.

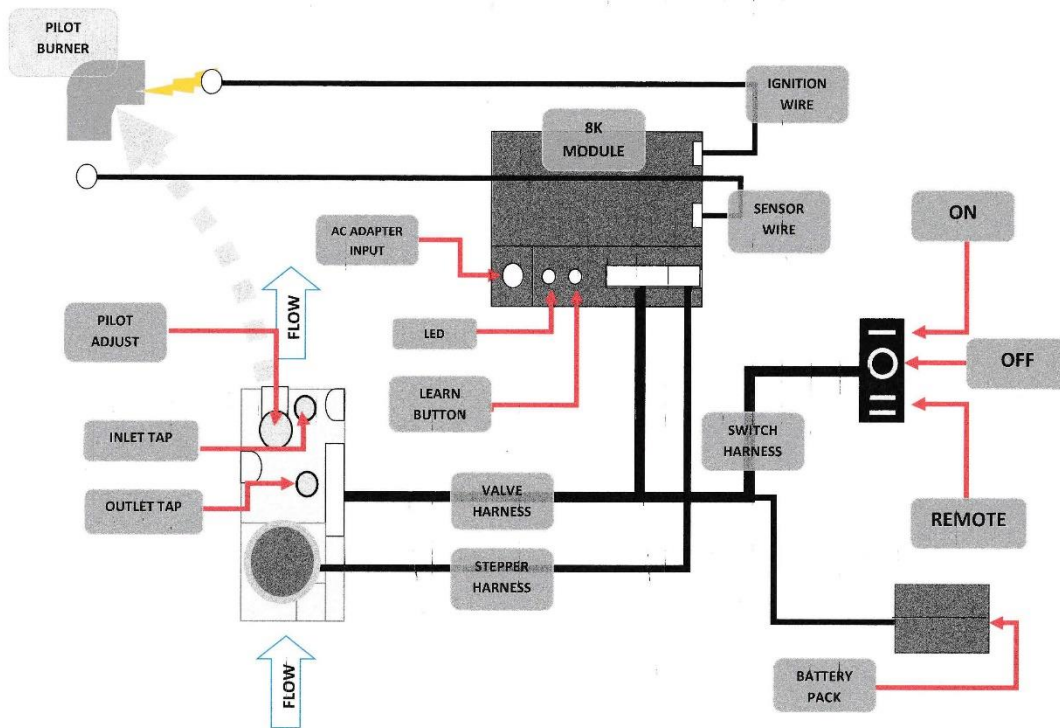
### PIPING

1. Check replacement valve for multiple outlets (side outlets). If it has them, be sure all unused outlets are plugged using the socket plugs provided.
2. Pipe or tubing must be clean and free of scale and dirt.
3. Make sure gas piping is pressure tested before control is connected. High pressure can damage control causing a hazardous condition. Do not subject control to more than 1/2 PSI, (14" W.C.) inlet pressure.
4. If it is not already installed, a drip leg (sediment trap) must be added to the gas supply line to control. (See figure below.) All piping must comply with local codes and ordinances and with National Fuel Gas Code (ANSI Z223. 1/NFPA, No. 54).
5. Using pipe thread compound or tape (suitable for gas), apply a small amount on the male pipe threads. Leave the first two threads clean. Never use compound on female threads as it might be pushed into the control body.
6. The gas valve is single location and can be mounted in only one position without affecting its operation.
7. Install gas valve so gas flow conforms with the inlet and outlet of the control.
8. **DO NOT** insert any object other than suitable pipe or tubing in the inlet or outlet of this control. Internal damage may occur and result in a hazardous condition. A backup wrench should only be used on the wrench boss provided for this purpose, never on the body of the control, as this could distort the casting. **NOTE:** Do not overtighten any pipe connections, as this could crack the valve body. A valve with a cracked valve body will not be warranted.



## WIRING DIAGRAM

## M6003V WIRING TO GM8K



### Operation Instructions:

- Grand Canyon Gas Logs Modulating 6v system has two way to operate the burner, with the switch OR with the remote.
  - First insert 4 x AA batteries into the battery pack OR plug the module into your wall receptacle with the AC adaptor AND insert 3 x AAA batteries into the hand held remote.
- For operation with switch.
  - Locate the switch on the side of the burner.
  - Press the switch so that the “single line” is in the ON position. This will begin the ignition process of the valve system.
  - To turn the system OFF, flip the switch in the opposite direction so that the switch is in the OFF position. See wiring below.
- For Operation with Remote.
  - Locate the switch on the side of the burner.
  - Press the switch so that the “double line” is in the ON position. This WILL NOT turn on the burner, this ONLY now allows you to use the remote to turn the system on & off.
  - With the hand held remote use the “UP” & “DOWN” arrows indicated as “ON” & “OFF” to turn the system “ON” & “OFF”.
  - To ADJUST the flame height up & down, press the function button until there is a number blinking under the flame symbol. Then use the up & down arrows to increase & decrease the flame size. There are 5 flame heights.