

# *Safety First USA Gas Detectors & Gas Valve Controller*

## **Scentry III-SFGVC (Safety First Gas Valve Controller)**

### Installation and Operating Instructions

#### General Information

Safety First USA's SFGVC is a Gas Valve Controller that will keep ON a normally closed Gas valve. With the presence of an unsafe Level of Combustible gas, this gas valve controller will go into the alarm mode and shut-off one or more gas valves stopping the flow of gas.

#### Location

The gas valve controller should be placed the same as smoke detectors. You should install one gas valve controller for every 900 Square feet of space to be protected. In a very large room space the detectors on 25-foot centers. Locate the gas valve controller in areas where a gas leak and accumulation is most likely to occur. If the gas being used is Propane, butane or LP " WHICH ARE HEAVIER THAN AIR" the gas valve controller should be mounted 8"-12' from the floor. If the gas being used is natural gas " WHICH IS LIGHTER THAN AIR" the gas valve controller should be mounted 8"-12" from the ceiling. It is recommended that the gas valve be mounted on the out side of the building.

#### Installation

Determine the proper size gas valve needed. Note the power requirements for this valve. Choose a 24 vac transformer larger than this requirement. The gas valve controller can control valves up to 96VA. Mount the gas valve controller at its optimum location. Plumb the gas valve, and mount the transformer. 1. Attach two 18awg wires from the gas valve to terminals 3 and 4 on the gas valve controller.

2. Attach two 18awg wires from the 24vac transformer to terminals 1and 2 of the gas valve controller. Now and only now turn on the power to the transformer.

#### Operation

The Safety First USA Gas Valve Controller (SFGVC) will go into alarm mode at a 10% (LEL) lower explosive level. The alarm point of methane (natural gas) will vary from unit to unit, but be near this 10% level. After power has been on for two minutes the detector is ready to protect the home. A green LED should be on indicating power has been applied. Any time this LED changes to RED and the alarm goes to a BEEP- BEEP mode the gas Valve controller will drop out the gas valve and stop the flow of gas to the appliances being protected. The ONLY way to reset this unit is to remove the unburned fuel ( vent the area that caused the alarm) and then push the red reset button.

#### Testing the Installation

The installation should always be tested. Use an *un-lighted* butane cigarette lighter and direct the gas to flow into the exposed sensor of the gas valve controller. In one or two seconds the gas valve controller will go into alarm and make a very loud BEEP – BEEP sound and shut off the gas valve being controlled. After 10 – 20 seconds the gas will clear and you can push the RED reset button. This will stop the Beeping and turn the gas valve back on. Pushing the RED button is the ONLY way to reset this gas valve controller.

#### Trouble Signals

This gas valve controller has internal safety circuits to warn of potential problems. If a chirp – chirp sound is heard one of two problems might exist. Potential problem #1 is a bad or blown fuse. You the installer can replace this. Remove the four cover screws and change the existing fuse with a 5mm x 20mm 4-amp fast blow type of fuse, available at any Radio Shack Store. Potential problem #2 a defective gas sensing sensor. Do nothing if replacing the fuse does not repair this chirp – chirp alarm. Unplug the Gas Valve controller and replace with a replacement. Return to the factory for repair.

#### Alarms should be taken seriously

The sensor used in this product is a very sensitive chemical sensor. It will go into alarm with different concentrations of different chemicals. Some of the chemicals that will cause an alarm in some concentrations. Alcohol, Butane, Gasoline, Hydrogen (from charging batteries), Kerosene, LP Gas, Propane, and Natural Gas (Methane).

Take ANY Alarm Serious. **TREAT ALL ALARMS AS POTENTIAL EMERGENCIES.**

#### Limited Warranty

The Safety First USA, Inc. SFGVC (Gas Valve Controller) is warranted to be free of defects in material and workmanship for a period of one (1) year from date of installation. If any component becomes defective during the warranty period, it will be replaced or repaired free of charge if the unit is returned postage prepaid to the factory. This warranty does not apply to any device that has been modified, changed or abused in any way. The above warranty is in lieu of all other expressed warranties, obligations or liabilities. **THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE LIMITED TO A PERIOD OF ONE YEAR FROM DATE OF PURCHASE.** Safety First USA, Inc shall not be liable for any incidental or consequential damages for breach of this or any other warranty expressed or implied arising out of or related to the use of this gas detector. Manufacturer or its agent's liability shall be limited to replacement or repair as set forth above. Buyer's sole and exclusive remedies are to return of the goods and repayment of the price, or repair and replacement of non-conforming goods or parts.

#### Return Instructions

Call 319-377-1129 and Request an (RMA) Return Material Authorization Number. Enclose a written description of the problem you have experienced. Pack in a cardboard carton with at least two inches of packing on all sides. Return to the address below postage prepaid.

04/20/12

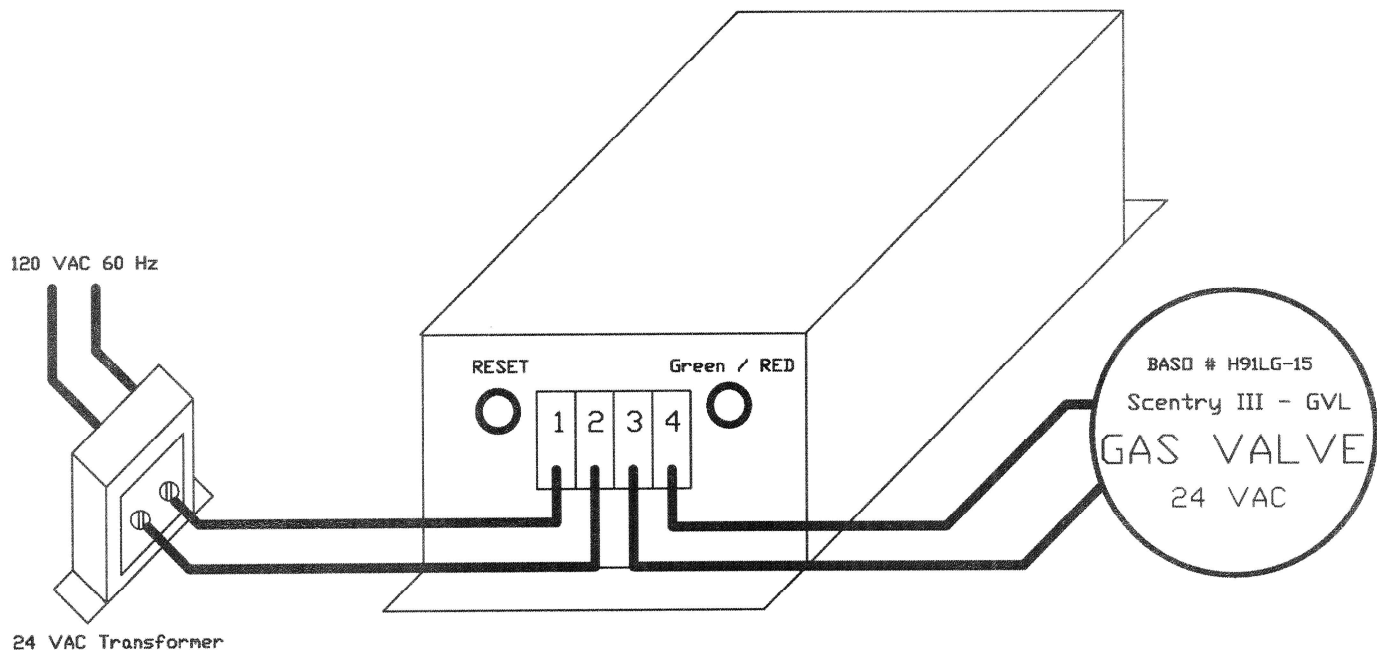
***Safety First USA, Inc.***

3229 English Cove Lane, Marion, Iowa 52302-7608

Phn 319-377-1129 • Fax 319-377-1539 • Info@SafetyFirstUSAInc.com

## *Safety First USA Gas Detectors & Gas Valve Controller* **Scentry III-SFGVC (Safety First Gas Valve Controller)**

- Ultra Latch: This product will shut off the Gas Valve with an unsafe condition. It will only RESET when power is on and the RED reset switch is pushed.
- Classified as a Class II system: Low 24 VAC control voltage
- Detects Many UNSAFE Gases, Propane, Methane and Natural Gas
- Sensor and Fuse Alarm will alert the installer or customer if the fuse or sensor has failed
- Very handy Mounting feet for quick installation
- Terminal Screws for attaching the control wires
- Removable Plug for easy servicing



***Safety First USA, Inc.***

3229 English Cove Lane, Marion, Iowa 52302-7608  
Phn 319-377-1129 • Fax 319-377-1539 • Info@SafetyFirstUSAInc.com