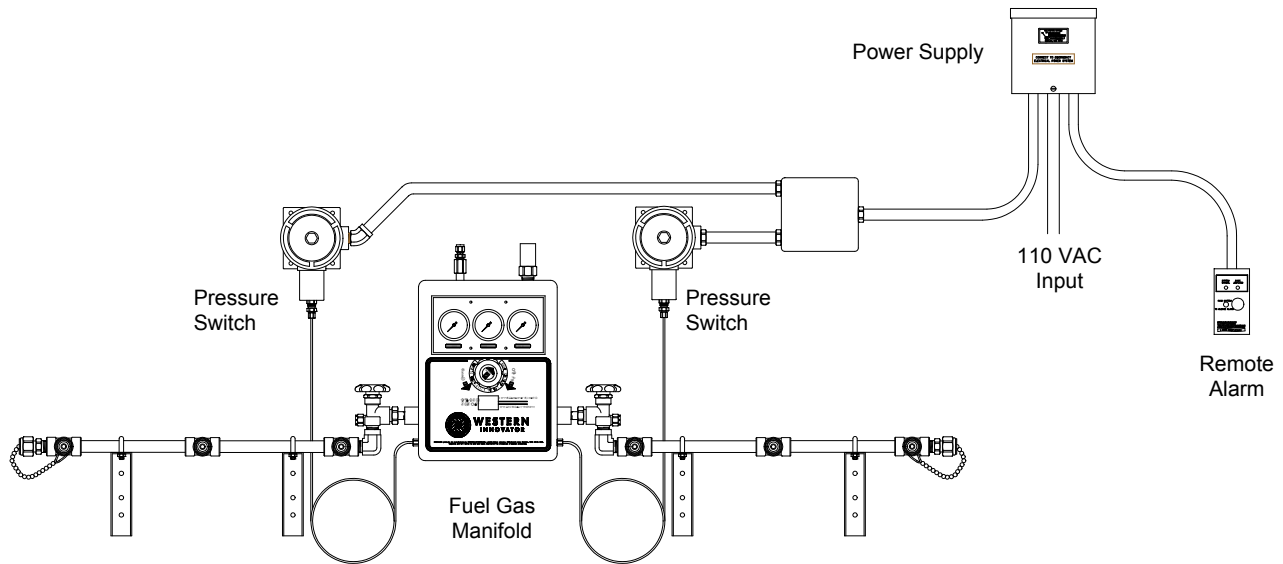




**HFGAK-H
Hydrogen Fuel Gas Alarm Kit for HBAC2 Series**

The Western HFGAK-A hydrogen fuel gas alarm kits are cleaned, tested and prepared for the indicated gas service and are built following National Fire Protection Association, Compressed Gas Association, Canadian Standards Association, and OSHA guidelines. The fuel gas alarm kit consists of two explosion proof (Class 1, division 2) pressure switches, a 24 VAC transformer assembly, an audio visual alarm (BIA-3), and all fittings required for installation. This alarm kit will signal (to a remote location) that the manifold supply bank has depleted and the reserve supply is now in use. A green light on the alarm panel will indicate the system normal condition.



Fuel gas alarm kits should be installed in accordance with guidelines stated by the National Fire Protection Association, the Compressed Gas Association, OSHA, Canadian Standards Association, National Electric Code, and all applicable local codes. A power supply placed outdoors should be protected against weather conditions. During winter, protect the manifold from ice and snow. In summer, shade the manifold and cylinders from continuous exposure to direct rays of the sun.

The power supply should be located remote from the fuel gas manifold. The power supply does not meet Class 1, division 2 requirements of the national electric code. Therefore, the power supply must be located at least 15 feet from the manifold when installed outside, or in another room when mounted indoors.

The remote alarm should be located remote from the fuel gas manifold. The power supply does not meet Class 1, division 2 requirements of the national electric code. Therefore, the power supply must be located at least 15 feet from the manifold when installed outside, or in another room when mounted indoors.

Alarm Kit Operation

The pressure switch provided has been preset to actuate just before changeover has occurred. When the manifold changes over, the pressure switch actuates sending a signal back to the power supply. The relay located in the power supply circuit board (PCB) is actuated relaying the alarm condition to the remote alarm. The remote alarm signals by creating an audible sound and lighting a red light.

Once cylinders are replaced and the manifold is reset the pressure switch will de-actuate and the system normal signal will be sent to the power supply PCB. The relay in the power supply PCB will signal the remote alarm that conditions are normal and the green light will turn on.

Warranty

All Western manifold are warranted against defects in materials and workmanship for the period of one year from the date of shipment. For complete information on the warranty please see the back cover of the Installation and operations manual.

For further installation information please ask for the Installation and Operating Instructions for Fuel Gas Alarm Kit , manual number B20178.