ANTUNES CONTROLS

DIVISION OF A.J. ANTUNES & CO.

GAS PRESSURE SWITCHES MODEL-H

INSTALLATION INFORMATION

You are installing one of the finest gas pressure switches of its type on the market. Design of these switches is based on the same principles of sensitivity, accuracy, and dependability that have made Antunes Controls Air Flow switches so successful. These switches are fully approved. They are U.L. and C.S.A. listed and approved by Factory Mutual.

Antunes Controls Gas Pressure switches monitor gas pressure. The models are available in high pressure and low pressure single gas switches. Pressure range varies from 1 P.S.I. to 15 P.S.I.

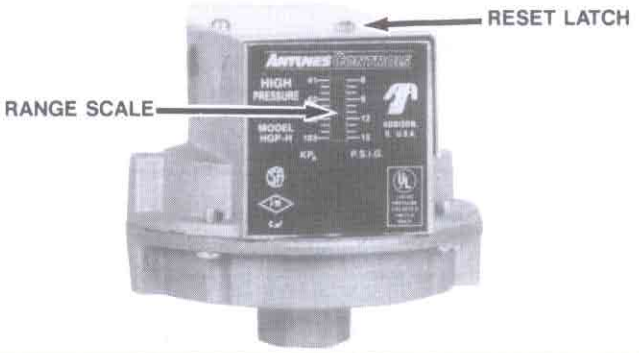
Each switch is adjustable within its range, as shown on the range scale on the front. The latch position in the reset type models, and lever indicator position in the recycle type models shows whether the switch is on or off.

Switches are sturdy. All components are well made. The switch is neat in appearance, in its die-cast aluminum housing. In every way, you will be pleased with the ease of installation and the reliability of Antunes Controls Gas Pressure switches.

Please read this folder carefully to assure correct installation. This equipment must be installed only by a licensed electrician who is experienced with combustion safeguard control systems and understands the functions of interlocking switches such as air and gas pressure switches. Prior to being put into operation in conjunction with combustion safe guard systems, all switches should be tested for proper range setting and proper wiring. Check piping connections and switch housing for leaks with a soap bubble test. All exhaust fans and blowers should be inspected and checked for proper rotation prior to starting up. If you have any problems or questions, phone, wire, or write to the manufacturer, Antunes Controls.

RANGE ADJUSTMENT – All Models

To adjust gas pressure cut-off setting on either high or low pressure units, remove the electrical junction box cover, and adjust indicator up or down to desired setting, as shown on the range scale on front of switch. Use the center of the range indicating tab as a guide for accurate setting. Turn adjusting screw clockwise to lower the set point and counterclockwise to raise the setting. To prevent tampering with setting after adjustment, be sure to replace the junction box cover firmly.



OPERATION

RESET MODELS

Low Gas Pressure

Low gas pressure switches break the electrical circuit on pressure drop at the point when gas pressure becomes lower than the indicated set pressure.

Before the manual reset latch can be properly latched, gas pressure in the chamber must be higher than the indicated setting. The position of the reset latch on the top cover of the switch shows whether reset latch is in the on or off position. Reset latch must be in "on" position after latching to be properly set.

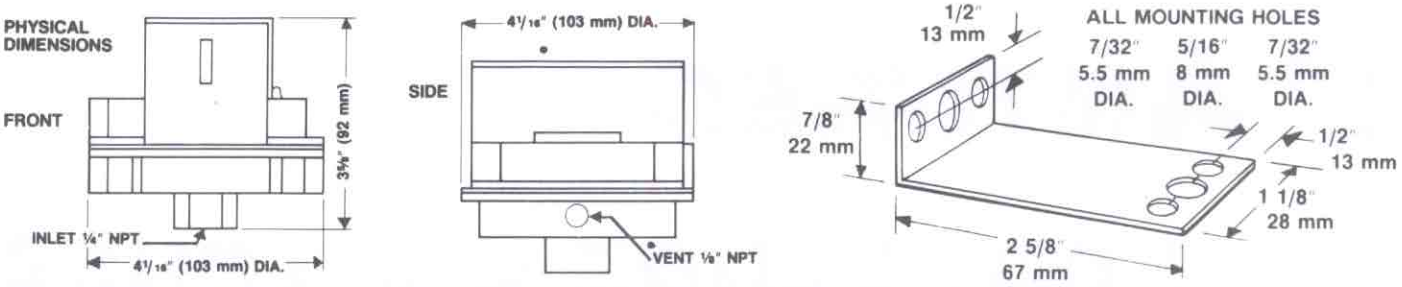
High Gas Pressure

High gas pressure switches break the electrical circuit when pressure rises above the indicated preset pressure. The reset latch should be latched in the "on" position if the gas pressure in the switch chamber is below the indicated high setting.

RECYCLE MODELS

High and Low Gas Pressure

Recycle models operate automatically and do not need to be reset. Otherwise, they are constructed, adjusted, and operate in the same manner as the reset models.



MODELS AVAILABLE

Each switch is adjustable within the ranges shown.

Model Numbers

Reset		Recycle
LGP-H	Single Units, Lo-Pressure	RLGP-H
HGP-H	Single Units, Hi-Pressure	RHGP-H

Ranges Available

High Gas Pressure (HGP-H, RHGP-H)	Low Gas Pressure (LGP-H, RLGP-H)
1 to 7 P.S.I.	1 to 7 P.S.I.
6 to 15 P.S.I.	6 to 15 P.S.I.

Note: We do not recommend changing ranges in the field.

SIMPLE MOUNTING – All Models

All gas pressure switches must be mounted in a horizontal position, with the inlet stem down. Switches should be reasonably leveled but do not require accurate leveling.

Single gas switch models have a ¼ N.P.T. gas inlet.

Gas vent outlets are ⅛ N.P.T. on all models.

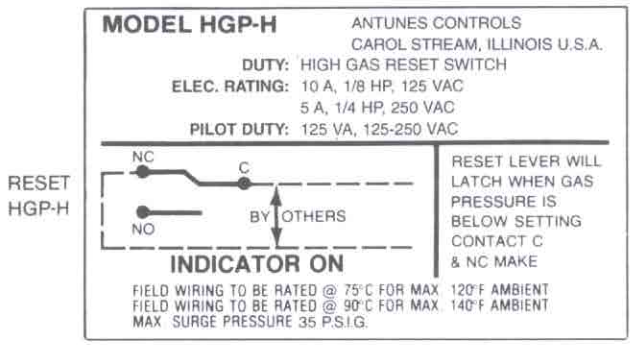
Piping can be either standard black pipe or aluminum tubing.

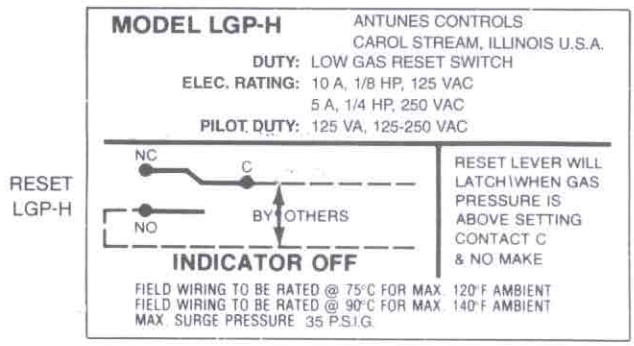
All switches can be supported by the inlet pipe, but optional mounting brackets are available if needed.

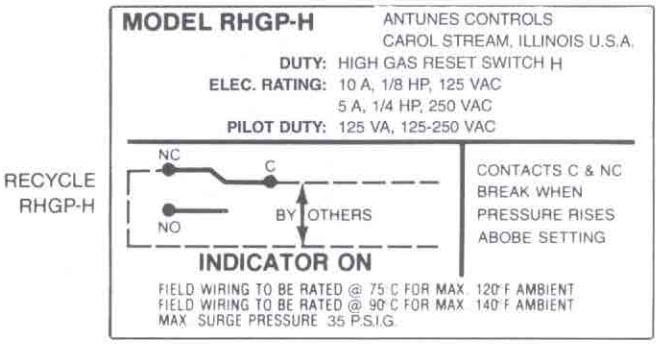
All switches have been factory-calibrated and tested for leaks. However, it is recommended that after the installation is completed, switch, gas pipe inlets, and connections be tested for leaks with soap bubble test.

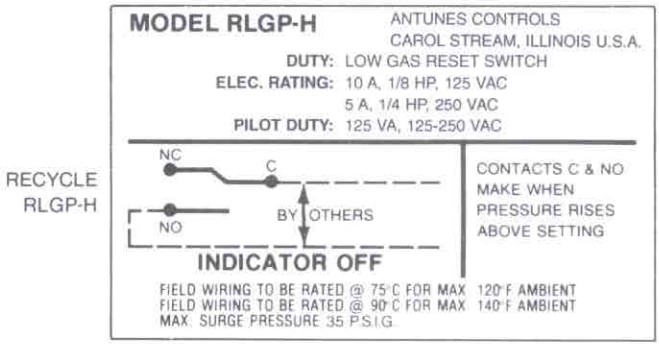
Maximum surge pressure: 35 PSIG
Max ambient operating temperature: 140°F or 60°C.
Minimum ambient operating temperature: −40°F or −40°C.

ELECTRICAL INFORMATION:









LIMITATION OF LIABILITY. It is understood and agreed that seller's liability whether in contract, in tort, under any warranty, in negligence or otherwise shall not exceed the return of the amount of the purchase price paid by purchaser and under no circumstances shall seller be liable for special, indirect or consequential damages. The price stated for the equipment is a consideration in limiting seller's liability. No action, regardless of form, arising out of the transactions may be brought by purchaser more than one year after the cause of action has accrued.

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