

GAS PRESSURE SWITCHES MODEL-D 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 and also in a double Hi-Lo combination switch. Pressure range varies from 1 inch of water column to 50 inches of water column.

The combination switch provides both high pressure and low pressure units in one switch. This saves wiring and installation space over an interlock system with separate high pressure and low pressure switches.

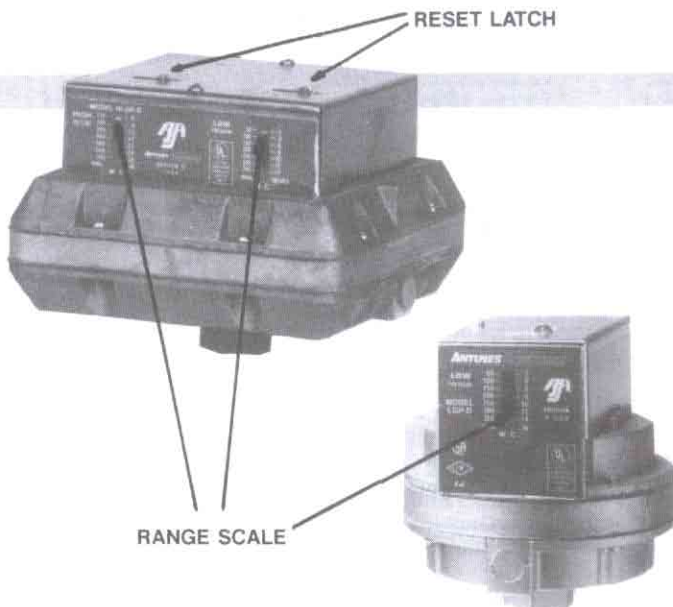
Each switch is adjustable within its range, as shown on the range scale on the front. The latch position in the reset type models, and lever indicator position in the recycle type models shows whether the switch is on or off.

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.

COMBINATION MODELS

The combination unit contains one high pressure unit and one low pressure unit, in the ranges you select. They may be either reset or recycle type. Each unit has on-off indicator, and its own range scale indicator.

MODELS AVAILABLE

Each switch, single or double, is adjustable within the ranges shown. Double combination switches can include any Hi and Lo pressure range shown. Order by model letters and range.

Model Numbers

Reset

HLGP-D	Combination Double Unit
LGP-D	Single Units, Lo-Pressure
HGP-D	Single Units, Hi-Pressure

Recycle

RHLGP-D
RLGP-D
RHGP-D

Ranges Available

High Gas Pressure (HGP-D, RHGP-D)

w.c.	mm/w.c.
5"-28"	125-700
10"-50"	250-1250

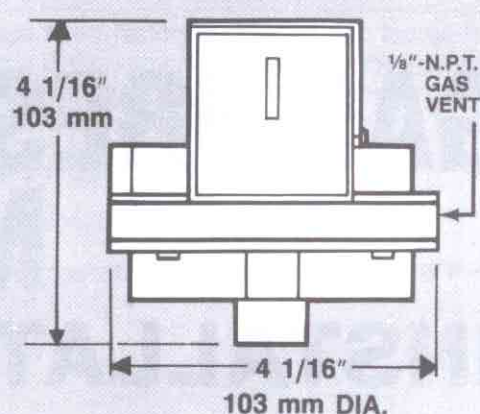
Low Gas Pressure (LGP-D, RLGP-D)

w.c.	mm/w.c.
2"-14"	50-350
10"-50"	250-1250

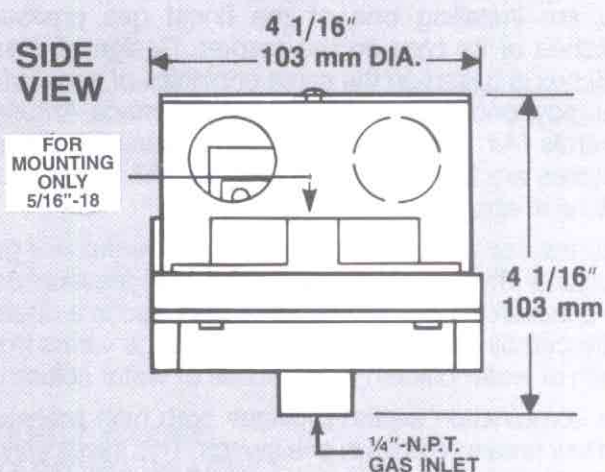
To order: For example, if you wanted a switch with a low pressure cutoff at 4 inches, reset type, you would order Model LGP-D 1-6". If you wanted a combination switch with a high pressure cutoff at 40" w.c. and a low pressure cut off at 8" w.c. in Recycle type, you would order Model RHLGP-D 10-50", 2-14".

PHYSICAL DIMENSIONS

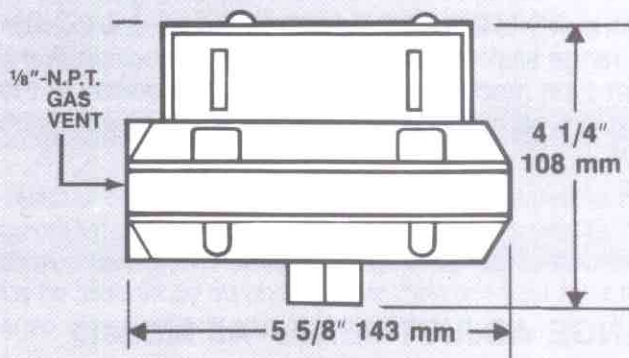
FRONT VIEW



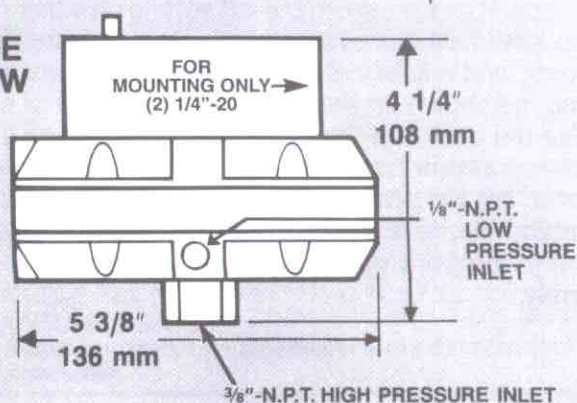
SIDE VIEW



FRONT VIEW



SIDE VIEW



ELECTRICAL INFORMATION

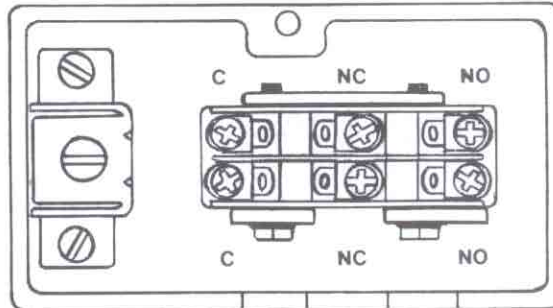
Electrical Ratings—All Models

4A @ 125 VAC

3A @ 250-277 VAC

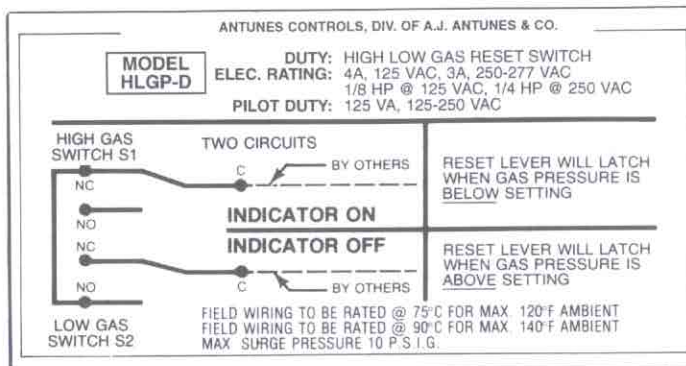
1/8 HP @ 125 VAC; 1/4 HP @ 250 VAC

125 VA Pilot Duty, 125/250 VAC

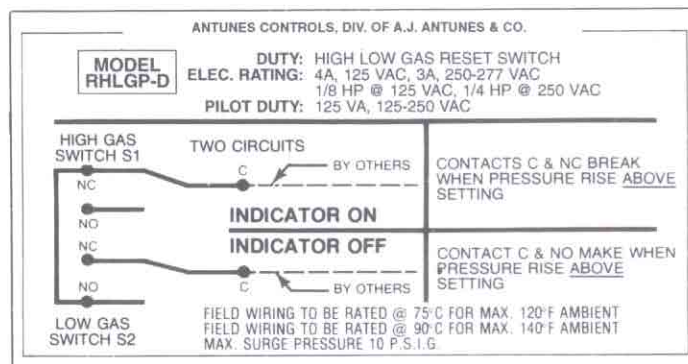


ELECTRICAL WIRING

COMBINATION MODELS

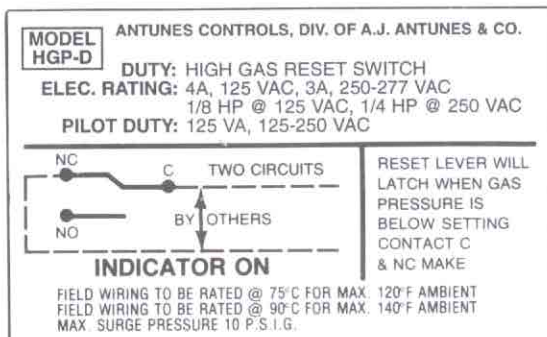


RESET MODEL HLGP-D

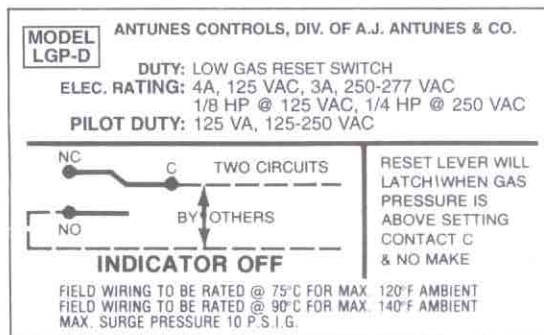


RECYCLE MODEL RHLGP-D

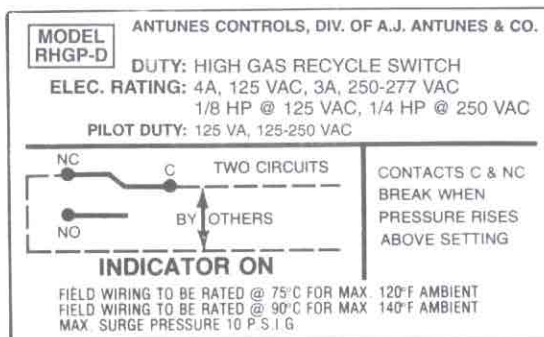
SINGLE MODELS



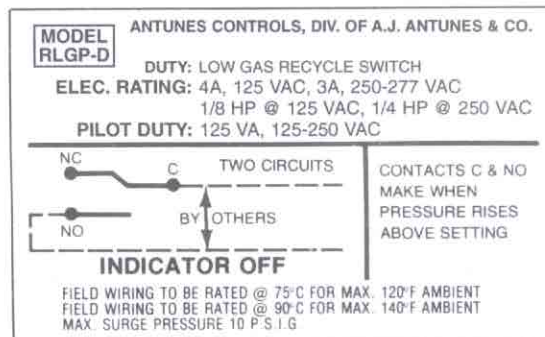
RESET HGP-D



RESET LGP-D



RECYCLE RHGP-D



RECYCLE RLGP-D

FIELD WIRING TO BE RATED @ 90°C FOR MAX. 140°F AMBIENT

SIMPLE MOUNTING—All Models

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

Single gas switch models have a 1/4 N.P.T. gas inlet.

Double combination Hi-Lo switches have a 3/8 N.P.T. for high pressure inlet and a 1/8 N.P.T. for low pressure inlet.

Gas vent outlets are 1/8 N.P.T. on all models.

Piping can be either standard black pipe or aluminum tubing.

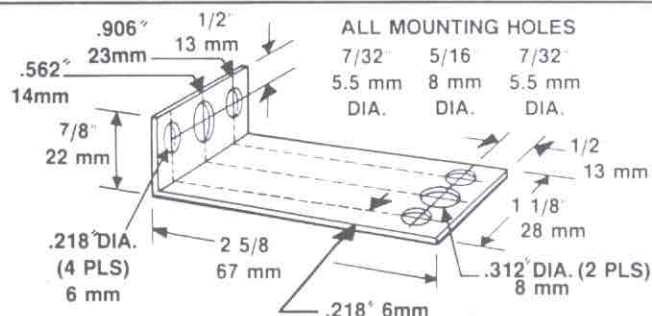
All switches can be supported by the inlet pipe, but optional mounting brackets are available if needed.

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: 10 PSIG.

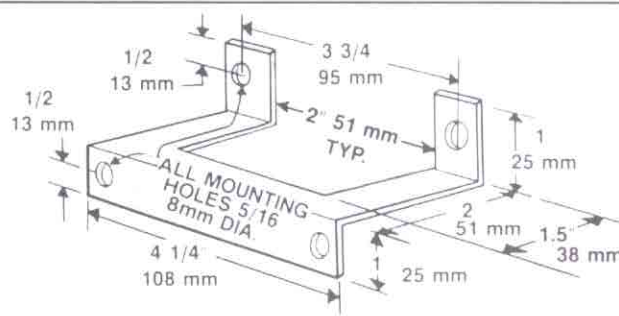
Max ambient operating temperature: 140°F or 60°C.

Minimum ambient operating temperature: minus 40°F or minus 40°C.



SINGLE MODEL MOUNTING BRACKET

Plated Steel. Bracket fastens to switch housing with a 5/16-18 x 1/2" bolt (supplied with bracket)



DOUBLE MODEL MOUNTING BRACKET

Plated Steel. Bracket fastens to switch housing with (2) 1/4-20 X 1/4" screws (supplied with bracket)

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.

ANTUNES CONTROLS

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