

Model-H



Model - HGP-H

Gas Pressure Switches

Specifications

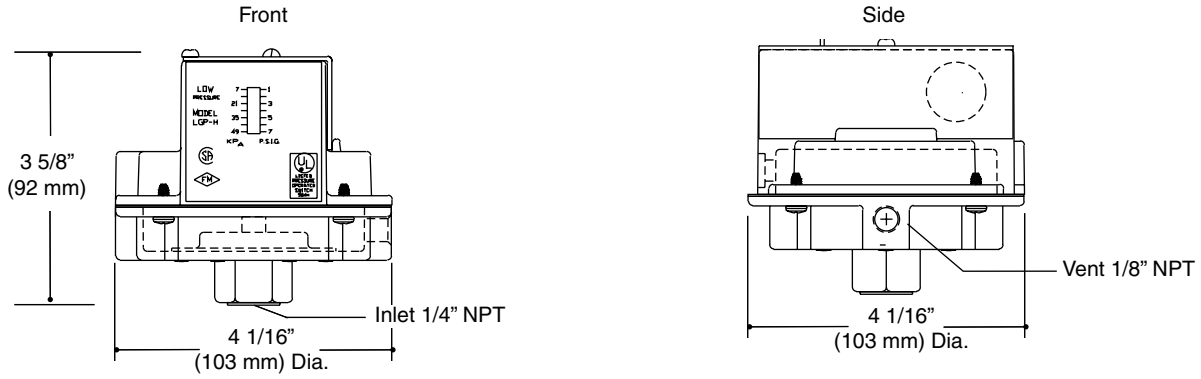
Antunes Controls Gas Pressure switches monitor gas pressure. The models are available in high pressure and low pressure single gas switches. Pressure range varies from 1 PSI to 15 PSI.

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 level indicator position in the recycle type models show whether the switch is on or off.

Please read this instruction sheet 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 an interlocking switch such as gas pressure switches. Prior to being put into operation in conjunction with the combustion safeguard 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, fax, email or write to the manufacturer, Antunes Controls.

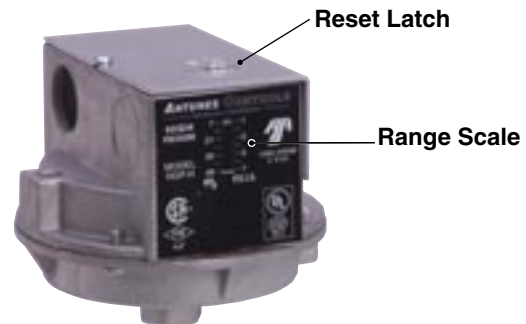


Dimensions



Range Adjustment - All Models

To adjust gas pressure set point 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 the 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 the 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.

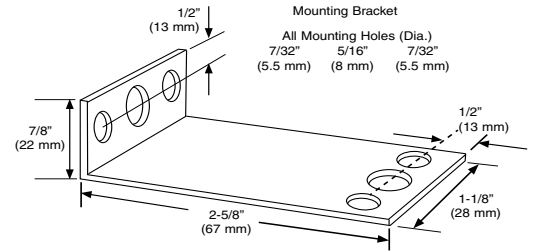
Recycle Models

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.

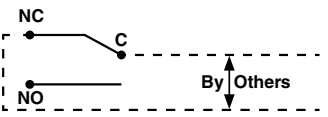
Mounting: Simple Mounting - All Models

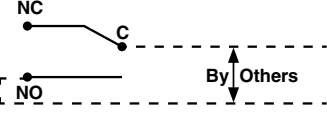
All gas pressure switches must be mounted in a horizontal position, with the inlet stem down. Switches should be reasonably leveled but do not require accurate leveling. Single gas switch models have a 1/4 NPT gas inlet. Gas vent outlets are 1/8 NPT on all models. Piping can be either standard black 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 a soap bubble test.

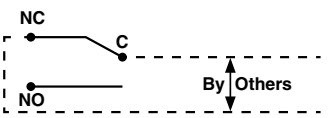


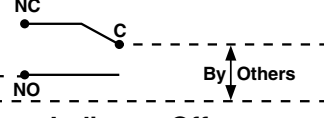
Maximum surge pressure: 35 PSIG
Maximum ambient operating temperature: 140°F (60°C)
Minimum ambient operating temperature: -40°F (-40°C)

Electrical Information

Reset HGP-H	<p>Model: HGP-H Duty: High Gas Reset Switch Elec. Rating: 10A, 1/8HP, 125 VAC 5A, 1/4HP, 250 VAC Pilot Duty: 125VA, 125-250 VAC</p>	
	 <p style="text-align: center;">Indicator On</p> <p>Field wiring to be rated @75°C for max 120°F Ambient Field wiring to be rated @90°C for max 140°F Ambient Max Surge Pressure: 35 PSIG</p>	<p>Reset lever will latch when gas pressure is below setting contact C & NC make</p>

Reset LGP-H	<p>Model: LGP-H Duty: Low Gas Reset Switch Elec. Rating: 10A, 1/8HP, 125 VAC 5A, 1/4HP, 250 VAC Pilot Duty: 125VA, 125-250 VAC</p>	
	 <p style="text-align: center;">Indicator Off</p> <p>Field wiring to be rated @75°C for max 120°F Ambient Field wiring to be rated @90°C for max 140°F Ambient Max Surge Pressure: 35 PSIG</p>	<p>Reset lever will latch when gas pressure is above setting contact C & NO make</p>

Recycle RHGP-H	<p>Model: HGP-H Duty: High Gas Reset Switch Elec. Rating: 10A, 1/8HP, 125 VAC 5A, 1/4HP, 250 VAC Pilot Duty: 125VA, 125-250 VAC</p>	
	 <p style="text-align: center;">Indicator On</p> <p>Field wiring to be rated @75°C for max 120°F Ambient Field wiring to be rated @90°C for max 140°F Ambient Max Surge Pressure: 35 PSIG</p>	<p>Contacts C & NC break when pressure rises above setting</p>

Recycle LGP-H	<p>Model: RLGP-H Duty: Low Gas Reset Switch Elec. Rating: 10A, 1/8HP, 125 VAC 5A, 1/4HP, 250 VAC Pilot Duty: 125VA, 125-250 VAC</p>	
	 <p style="text-align: center;">Indicator Off</p> <p>Field wiring to be rated @75°C for max 120°F Ambient Field wiring to be rated @90°C for max 140°F Ambient Max Surge Pressure: 35 PSIG</p>	<p>Contacts C & NO make when pressure rises above setting</p>

Models Available	Each Switch is adjustable within the ranges shown	
Reset		Recycle
LGP-H	Single Unit, Low Pressure	RLGP-H
HGP-H	Single Unit, Hi - Pressure	RHGP-H
Ranges Available		
High Gas Pressure	Low Gas Pressure	
HGP-H, RHGP-H	LGP-H, RLGP-H	
1 to 7 PSI	1 to 7 PSI	
6 to 15 PSI	6 to 15 PSI	

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.

Warranty

1. Antunes Controls products are guaranteed to be free from mechanical and electrical defects for a period of one year from date of shipment under normal use and service provided installation is made in accordance with manufacturers' recommendations.
2. Parts deemed defective shall be repaired or replaced at manufacturers option and at manufacturers expense but shall not include foreign or federal excise taxes, state or municipal sale or use taxes, all such taxes not limited to the foregoing being responsibility of the purchaser.
3. No charge for travel and/or mileage will be allowed to purchaser.
4. Antunes Controls reserves the right to make changes in design or make any improvements on any products. The right is always reserved to modify our equipment because of new technology, underwriter's requirements and/or government regulations.
5. The following are not covered under warranty:
 - a. Failure from neglect, abuse, careless handling and mis-application of unit.
 - b. Failure to observe guidelines for installation or improper voltage hook-up.
 - c. Failure caused by improper maintenance. (See maintenance guidelines found in operation instructions.)
 - d. Unless specifically allowed by Antunes Controls, no other charges may be included under warranty.

