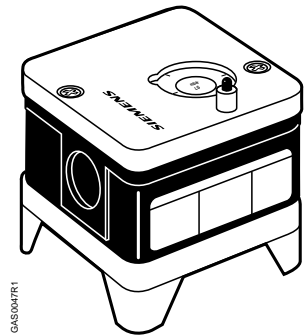


## QP Series

### Pressure Switches for Gas and Air

GAS0048R1

ISO 9001  
REGISTERED FIRM



GAS0048R1

#### Description

QP... pressure switches are used for gas and air pressure supervision on industrial and commercial burner applications.

The QPL31... series pressure switches break the electrical circuit when the pressure drops below the adjusted value.

The QPH31... series pressure switches break the electrical circuit when the pressure increases above the adjusted value.

#### Features

- UL listed for USA and Canada, FM approved, ISO 9001 certified; European approved versions available.
- Adjustable pressure range from 1 to 112 inches water column (WC).
- Automatic and manual reset models.
- Ventless installation.
- Surge protected up to 15 psi.

#### Product Numbers

Table 1.

| Product Number | Pressure Range           |             | Execution            |
|----------------|--------------------------|-------------|----------------------|
|                | Inches Water Column (WC) | mbar        |                      |
| QPL31.010M00   | 0.5 to 4                 | 1.2 to 10   | Manual Reset Low     |
| QPL31.050M00   | 1 to 20                  | 2.5 to 50   |                      |
| QPL31.140M00   | 7 to 55                  | 17.5 to 137 |                      |
| QPH31.050M00   | 2 to 20                  | 5 to 50     | Manual Reset High    |
| QPH31.150M00   | 10 to 60                 | 25 to 150   |                      |
| QPL31.010A00   | 0.5 to 4                 | 1.2 to 10   | Automatic Reset Low  |
| QPL31.050A00   | 1 to 20                  | 2.5 to 50   |                      |
| QPL31.075A00   | 5 to 30                  | 12.5 to 75  |                      |
| QPL31.280A00   | 28 to 112                | 70 to 280   |                      |
| QPH31.010A00   | 0.8 to 4                 | 2 to 10     | Automatic Reset High |
| QPH31.050A00   | 2 to 20                  | 5 to 50     |                      |
| QPH31.090A00   | 5 to 35                  | 12.5 to 87  |                      |
| QPH31.280A00   | 28 to 112                | 70 to 280   |                      |

|                       |                            |   |
|-----------------------|----------------------------|---|
| <b>Specifications</b> | Electrical rating          | 10A @ 125 to 250 Vac<br>1/3 HP @ 125 to 250 Vac |
|                       | Maximum operating pressure | 6 psi (400 mbar)                                |
|                       | Maximum surge pressure     | 15 psi (1 bar) for 2 seconds                    |
|                       | Operating temperature      | -40°F to 140°F (-40°C to 60°C)                  |

**Operation**  
**Range Adjustment**

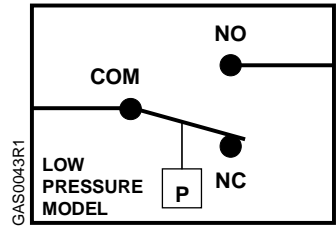
Remove the cover to adjust the pressure cut-off setting. Turn the range dial clockwise to increase the pressure setting, or counterclockwise to decrease the pressure setting.

**Manual reset models**

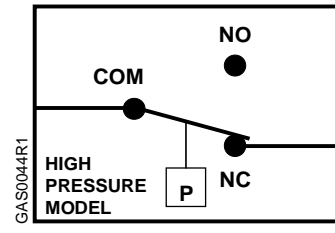
If the yellow ring of the reset button is above the cover, the switch is in the open position and must be manually reset before continuing burner operation.

**Wiring**

**NOTE:** Wiring must be performed by a licensed electrician.

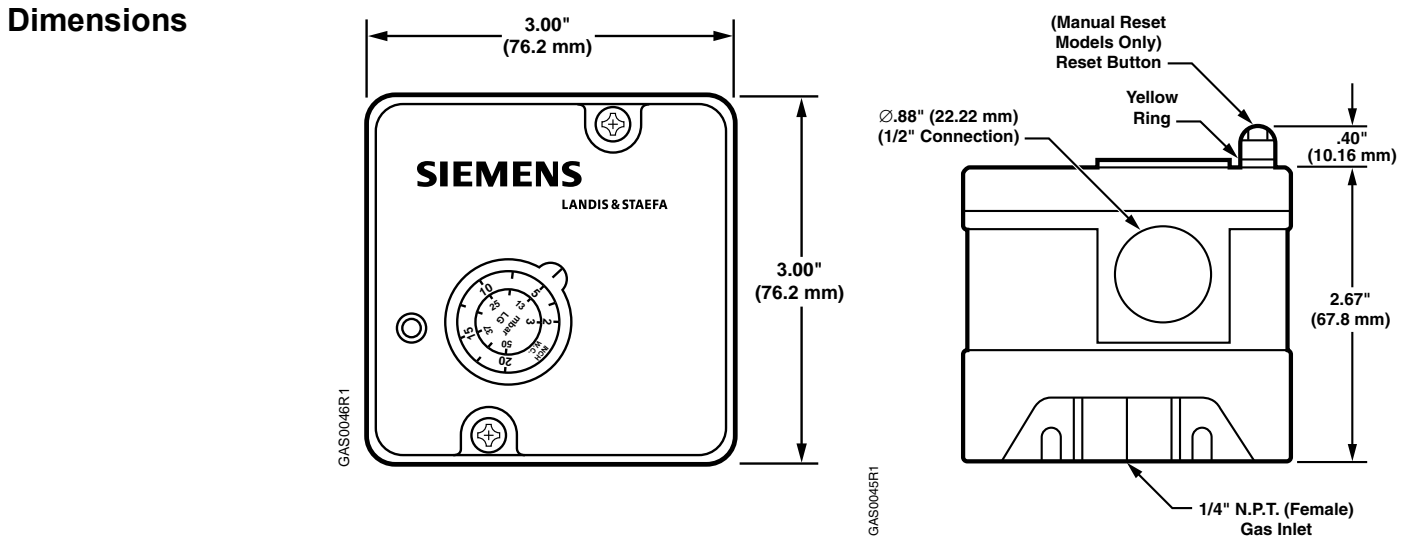


**Figure 1. Typical Wiring for Low Pressure Models.**



**Figure 2. Typical Wiring for High Pressure Models.**

- Mounting**
- All switches can be mounted in either a horizontal or vertical position.
  - All models have a 1/4-inch NPT female pressure connection on the metal base.
  - Check connections for leakage after installation.



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