REZNOR®

Revision: RP-RPV-PRESS-SW (03-22) 129496-A

Supersedes: CP-RP-PSK (05-14) PN129496R4

REPLACEMENT PRESSURE SWITCH KIT INSTALLATION

MODEL RP MANUFACTURED *BEFORE* DEC 1991
MODEL RPV SERIES 3 AND 5

- If a replacement pressure switch is required for a model RP unit manufactured ***before*** DEC 1991, this kit provides a new smaller switch, a sensor, and easier-to-install flexible tubing.
- For model RPV series 3 and 5 units, this kit is designed to replace the originally-installed sail switch with a pressure-activated switch. The function of both switches is to prove combustion air.
- Refer to the installation manual provided with the heater for important safety information.
- Ensure that all components listed shown in **Figure 1** and listed in **Table 1** are available before beginning installation.

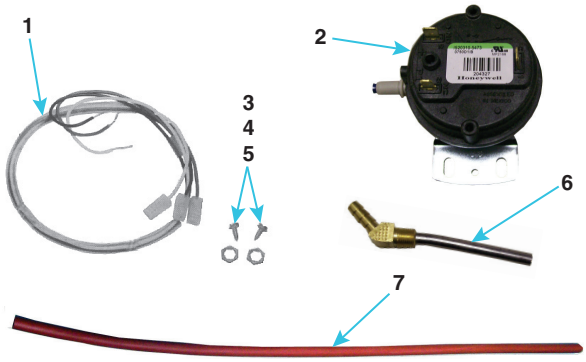

Figure 1. Replacement Pressure Switch Kit (Refer to Table 1)

Table 1. Replacement Pressure Switch Kit (PN 93033) Components

Item No.	Component	Description	PN (Quantity
1	Wire assembly		93034 (1)
2	Pressure switch	0.58-inch	204327 (1)
3	Sheet metal screw	#10 × 1/2	11813 (2)
4	Locknut	Brass	122852 (1)
5	Panel nut	Hex, silver-colored	261957 (1)
6	Tube	Sensing	171750 (1)
7	Silicone tubing	Red, 3/16 ID × 11 inches long	133117 (1)

INSTALLATION

Replace the pressure switch as follows. Item numbers in parentheses refer to **Figure 1**.

1. Turn OFF gas and electric power.
2. Remove center access panel and upper venter panel to expose venter assembly and electrical junction box.
3. Remove existing switch:

NOTE: Do not disconnect the wires in the junction box.

a. For model RP:
   (1) Disconnect pressure switch wires.
   (2) Remove screws that secure existing pressure switch and remove switch. Re-install screws to plug holes.
   (3) Remove existing sensing tube and aluminum tubing.

b. For model RPV:
   (1) Disconnect sail switch wires.
   (2) Remove screws that secure sail switch and sail switch mounting bracket and remove switch and bracket from venter housing.

4. Install replacement sensing tube (6):
   a. Locate hole where original sensing tube (RP models) was located or where sail switch (RPV models) was located and position replacement sensing tube (6) inside venter housing with end sloped downward (see **Figure 2**).
   b. Secure sensing tube (6) to venter housing using brass locknut (4) outside of housing and hex panel nut (5) inside of housing.

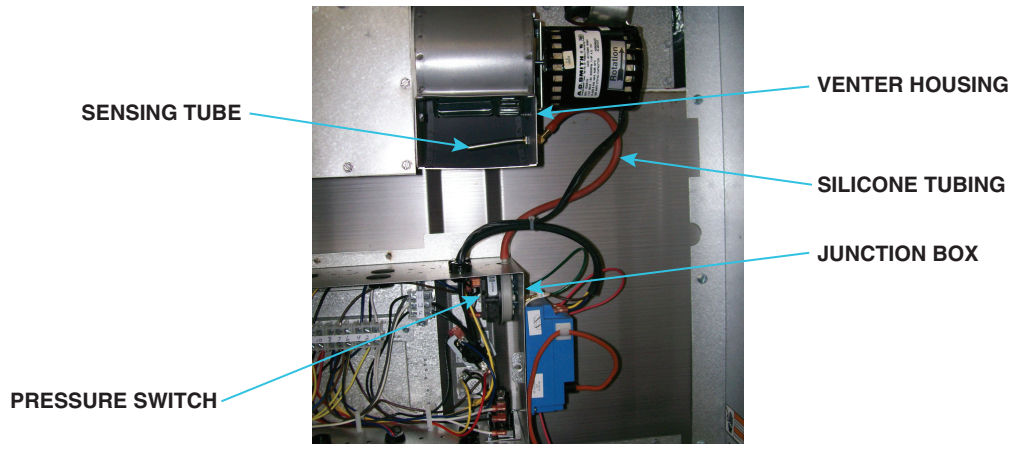

Figure 2. Replacement Pressure Switch Location

5. Install replacement pressure switch (2):

⚠ CAUTION ⚠

Never install the pressure switch on the collection box (above the duct side), because that area becomes too hot during heater operation.

NOTE: The recommended position of the pressure switch and sensor is inside the junction box with the tubing barb toward the top. If installing the switch inside the junction box is not possible, install the switch on the duct side wall near the junction box.

   a. Position switch (2) inside junction box (see **Figure 2**) with tubing barb on top.
   b. Using switch (2) as template, mark and carefully drill 3/8-inch (minimum) hole in top of junction box.
   c. With pressure switch (2) tubing barb through hole in top of junction box, secure switch to junction box using two sheet metal screws (3).
6. Connect sensing tube (6) to pressure switch (2) using silicone tubing (7). Ensure that both connections are secure.
7. Connect replacement wiring assembly (1) as follows:
   a. For RP models, connect existing wires in junction box to replacement pressure switch (2) or disconnect existing wiring in junction box and make identical connections to wire assembly (1).
   b. For RPV models, disconnect and discard sail switch wiring and and make identical connections to wire assembly (1).
8. Connect wires from junction box to pressure switch (2) as follows: red wire to normally closed (NC) terminal, black wire to normally open (NO) terminal, white wire to common (C) terminal.
9. Re-install upper venter panel.
10. Turn ON gas and electric power.
11. Light heater in accordance with lighting instructions.
12. Check for proper operation.
13. Re-install center access panel. Heater is ready to be returned to normal service.