

Replacement Pressure Switch Kits

Applies to Reznor Model Series ADF, ADFH, RDF, DV, DFAH, DFAV, SC, SCA, SCB, SCE, SSCBL, RP, RPV, RPB, RPBL, and PGBL

Description/Application

When a replacement air pressure switch is ordered for one of the models listed above, the wiring terminals on the replacement pressure switch may be different from the switch being removed. To meet a new ANSI/CGA requirement to prevent miswiring, the terminals were changed on products manufactured beginning September 1999. To assure that the correct replacement parts are supplied, replacement wire terminals are being provided with all affected replacement pressure switches.

Pressure Switch Kit Components:

Replacement kits for pressure switches identified as Reznor P/N's 86986, 86987, 87249 and 87250 include the pressure switch and the terminals listed:			Replacement kits for pressure switches identified as Reznor P/N's 125133, 125134, 175862, and 175863 include the pressure switch and the terminal listed:		
Qty	P/N	Description	Qty	P/N	Description
1	142860	1/4" Quick Connect Terminal	1	122082	3/16" Quick Connect Terminal
1	122082	3/16" Quick Connect Terminal			

Use the cross-reference chart on page 2 to verify that the correct pressure switch is being used.

Follow the instructions to install the pressure switch.

DANGER: This replacement pressure switch is to be installed by a qualified agency in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. Failure to follow instructions could result in death, serious injury and/or property damage. The qualified agency performing this work assumes responsibility for this installation.

Installation Instructions

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. Read the instructions thoroughly before installing or servicing this equipment.

1. Turn off the gas and electrical supply to the unit.
2. Locate the pressure switch on the unit.
3. Mark the wires [common (C); normally open (NO); normally closed (NC)]. If there are two tubing connections, mark the tubing [positive (+); negative (-)]. Disconnect the wires and the tubing from the pressure switch and remove the pressure switch. Discard the pressure switch; save the screws.
4. Using the same holes and mounting screws, attach the replacement pressure switch.
5. **Wire the replacement switch.** Wiring the new switch depends on whether or not the terminals on the replacement switch are different from the one removed.
 - If the wiring terminals on the replacement switch are the **same** as the pressure switch that was removed, attach the wires to the terminals on the new switch as marked in Step 3. (NOTE: The wire terminal(s) provided with the new switch will not be used.) Follow procedures in **Steps 6, 7, 8, and 9** on page 2 to complete the installation.
 - If the wire terminals are **not the same**, then follow the appropriate section in the wiring instructions to attach the new terminal(s) and connect the wires to the new pressure switch.

Wiring Instructions:

SECTION 1 - Follow these instructions if the replacement switch is

Reznor P/N	Manufacturer's No.
125133	FS6788-1621
125134	FS6788-1622
175862	FS6788-3006
175863	FS6788-3007

- 1) Select the wire marked to go to the common terminal (C) of the pressure switch. Remove the terminal by cutting the wire directly behind the terminal.
- 2) Strip the end of the wire approximately 1/4". Crimp the new terminal onto the stripped wire.
- 3) Attach both wires as marked to the pressure switch connections. Follow procedures in **Steps 6, 7, 8, and 9** on page 2 to complete the installation.

SECTION 2 - Follow these instructions if the replacement switch is

Reznor P/N	Manufacturer's No.
86986	PPS10175-3043
86987	PPS10175-3041
87249	PPS10175-3044
87250	PPS10175-3042

- 1) Select the wire marked to go to the common terminal (C) of the pressure switch. Remove the terminal by cutting the wire directly behind the terminal.
- 2) Strip the end of the wire approximately 1/4". Select the smaller 3/16" quick connect terminal from the pressure switch kit. (Select carefully as there is only 1/16" difference in size of the terminals.) Crimp the new terminal onto the stripped wire.
- 3) Repeat the same procedure with the wire marked NC or NO, crimping on the 1/4" quick connect terminal.
- 4) Attach both wires as marked to the pressure switch connections. Follow procedures in **Steps 6, 7, 8, and 9** on page 2 to complete the installation.

Installation Instructions (cont'd)

6. Attach the tubing to the new pressure switch.

On a pressure switch with both positive and negative tubing, connect the tubing marked positive (+) to the positive (+) tubing connection and the tubing marked negative (-) to the negative (-) tubing connection. On a differential switch with one tubing connection, connect the tubing to the connection on the switch.

Be sure tubing is attached securely.

7. Replace any panels that were removed from the unit.

8. Turn on the gas and restore the power.

9. Verify normal operation of the unit.

Pressure Switch/Replacement Kit Cross-Reference and Model Application List

Pressure Switch (in the kit and being replaced)		Replacement	Applies to Reznor Model Series
Reznor P/N	Manufacturer's No.	Kit No.	
86986	PPS10175-3043 or FS4197-166*	193806	ADF(H); RDF; DV; DFA(H,V)
86987	PPS10175-3041 or FS4197-164*	193807	ADF(H); RDF; DV; DFA(H,V)
87249	PPS10175-3044 or FS4197-171*	193808	RDF; DV; DFA(H,V) with Options AR19, 20, 22, 23, 33, 34, 36, 37
87250	PPS10175-3042 or FS4197-165*	193809	RDF; DV; DFA(H,V) with Options AR19, 20, 22, 23, 33, 34, 36, 37
125133	FS6788-1621	193810	(H)SC; SC(A, B, E); SSCBL; (H/HC/C)RP(B, BL); (H/HC/C)RPV; PGBL from sea level to 4000 ft elevation with any gas control option except AG39 or AG40
125134	FS6788-1622	193811	(H)SC; SC(A, B, E); SSCBL; (H/HC/C)RP(B, BL); (H/HC/C)RPV; PGBL above 4000 ft elevation with any gas control option except AG39 or AG40
175862	FS6788-3006	193812	(H)SC; (H)RP(B) Sizes 250-400 and SSCBL; RPBL Size 400 with Option AG 39 or AG40
175863	FS6788-3007	193813	(H)SC; (H)RP(B) Sizes 100-225 with Option AG39 or AG40

*The Manufacturer's No. identifying these pressure switches changed; the Reznor P/N remained the same. The pressure switch being removed could be identified by either of these Manufacturer's Nos. The replacement pressure switch is identified by the Manufacturer's No. listed first.

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