



High Altitude Kits for Elevations above 6000Ft/ 1830M, Option DJ20

Installation Form RZ-NA I-UD-HA

APPLIES TO: Models UDAP and UDAS

Application and Kit Components

- Option DJ20 is **required** above 6000 ft (1830M)

FIGURE 1 - Pressure Switch



If a Model UDAS or UDAP heater is being installed above 2000 ft (610M), the input rate must be derated. This is done by adjusting the valve outlet pressure as explained in the heater installation manual. In addition, if the heater is being installed at an altitude above 6000 ft (1830 M), the pressure switch must be changed. The high altitude pressure switch ordered as Option DJ20, High Altitude Kit, varies by Model, Size, and type of application. **Be sure your kit matches your installation.**

Model UDAP installed as standard Power Vented Unit Heater

Size	30	45	60	75	100	125	150	175	200	225	250	300	350	400
Pkg P/N	197117		197118			197117	197118		201162			201163		
High Altitude Switch P/N	197031		197032			197031	197032		201160			201161		
Negative Pressure OFF Setpoint "w.c.	0.35		0.45			0.35	0.45		1.05			1.35		
Label color	Purple		Pink			Purple	Pink		Brown			White		

Model UDAP-CV with Option AV6 for Common Venting

Size	30	45	60	75	100
Pkg P/N	197119	197118	197120	197121	
High Altitude Switch P/N	197029	197032	196362	196388	
Negative Pressure OFF Setpoint "w.c.	0.60	0.45	0.55	0.50	
Label color	Lt Blue	Pink	White	Orange	

Model UDAS Separated Combustion Unit Heater

Size	30	45	60	75	100	125	150	175	200	225	250	300	350	400
Pkg P/N	197119				197121	197205	197118		201162			201163		
High Altitude Switch P/N	197029				196388	197030	197032		201160			201161		
Differential Pressure OFF Setpoint "w.c.	0.60				0.50	0.40	0.45		1.05			1.35		
Label color	Lt. Blue				Orange	Green	Pink		Brown			White		

Installation Instructions

WARNING: The instructions in this sheet are designed to prepare a heater for high altitude operation prior to installation. If your heater is installed, for your safety, turn off the gas and the electric before servicing.

The high altitude kit is to be selected and installed by a qualified service person in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. The qualified agency performing this work assumes responsibility for this installation.

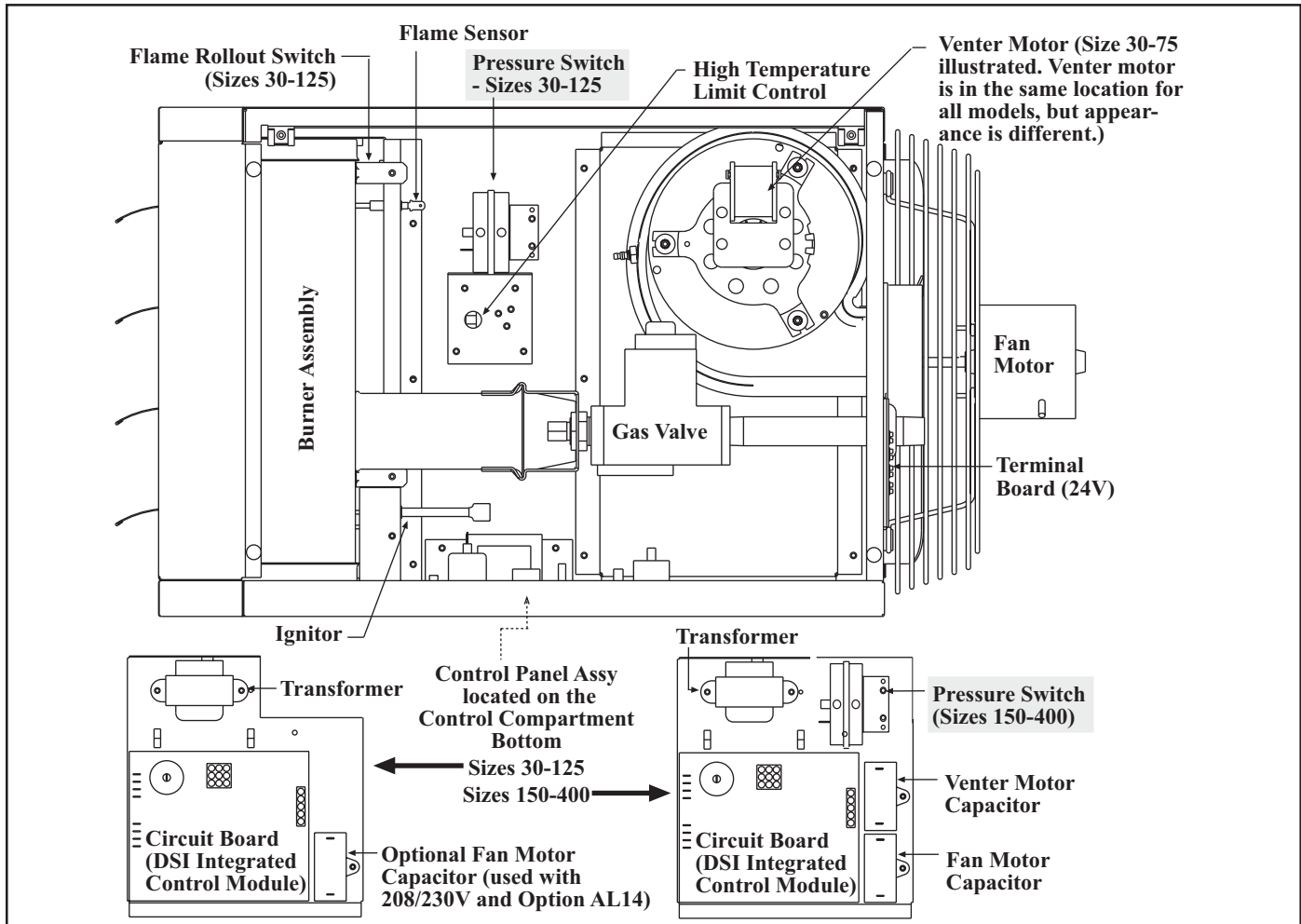
Installation Instructions (cont'd)

1. In the control compartment, locate the pressure switch (See FIGURE 2).

FIGURE 2 - Pressure Switch Location

Sizes 30-125 - On the back wall of the control compartment.

Sizes 150-400 - On the bracket on the bottom of the control compartment.



2. Mark and disconnect the two wires attached to the pressure switch.
3. Disconnect the sensing tube from the pressure switch.
4. Locate the two screws holding the switch mounting bracket. Remove the screws (save screws) and the pressure switch.
5. Using the same screws, install the high altitude pressure switch. Attach the sensing tube and wires.

IMPORTANT: When the heater is installed, as part of startup, **be certain to adjust the valve outlet pressure and to attach the high altitude adjustment label** that is shipped with the heater. Adjustment instructions and derated input rates and capacities are in the heater installation manual.

Manifold Pressure Settings by Altitude above 6000 ft (1830M)					
Altitude		Natural Gas (inches w.c.)		Propane Gas (inches w.c.)	
Feet	Meters	Single Stage and Two Stage High Fire	Two Stage Low Fire	Single Stage and Two Stage High Fire	Two Stage Low Fire
6001 - 7000	1831 - 2135	1.9	0.9	5.2	2.6
7001 - 8000	2136 - 2440	1.7	0.8	4.6	2.3
8001 - 9000	2441 - 2745	1.5	0.7	4.1	2.0