

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

Applies to: Tubular Infrared
Model VR (60 Hz) and Model GVR (50 Hz)

Application and Kit Components

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

If a Model VR or GVR 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 a Model VR or GVR 50, 75, 100, 125, 150, or 175 is being installed at an altitude above 6000 ft (1830 M), the pressure switch must be changed.

The high altitude pressure switch is ordered as Option DJ20, High Altitude Kit.

Be sure your kit matches your installation.

FIGURE 1 - Pressure Switch



High Altitude Pressure Switches (Option DJ20 required above 6000 ft/1830M)									
Model	VR and GVR			VR			VR and GVR		
Size	50	75	100	125	150	175	125	150	175
Electrical Frequency	50 Hz or 60 Hz			60 Hz			50 Hz		
Option DJ20 Package P/N	205524			205525			258817	258818	258819
High Altitude Switch P/N	205445			205446			197030	203932	205444
Differential OFF Setpoint (" w.c.)	0.15			0.70			0.40	0.25	0.30
Label Color	Gray			Pink			Green		

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.

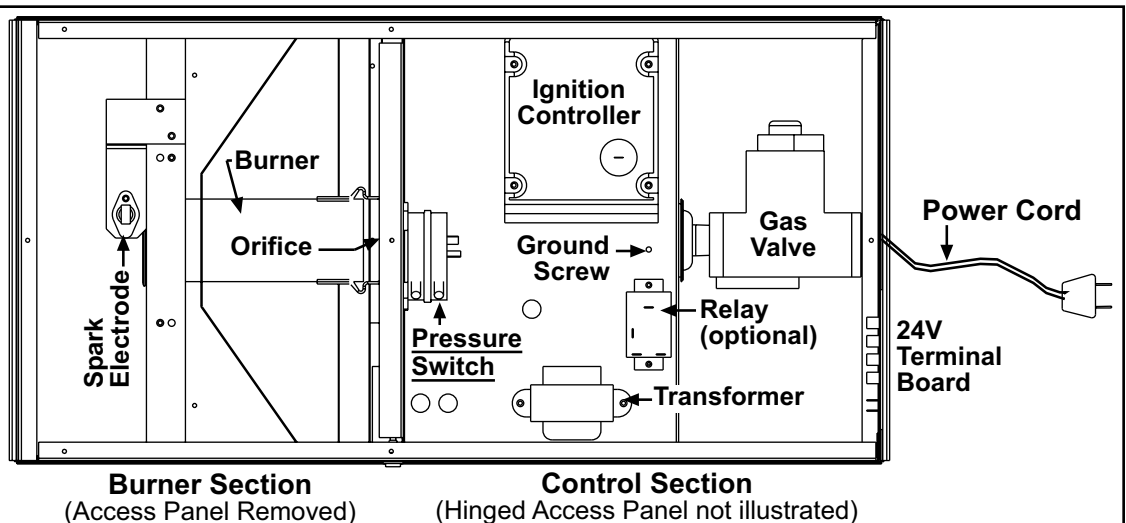
WARNING: The high altitude kit is to be selected and installed by a qualified service person in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. The qualified agency performing this work assumes responsibility for this installation.

Installation Instructions

- In the control compartment, locate the pressure switch (**FIGURES 1 & 2**).
- Mark and disconnect the two wires attached to the pressure switch.
- Disconnect the sensing tubes from the pressure switch.

**Bottom View
with
Access Panels
Removed**

**FIGURE 2 -
Pressure
Switch
Location**



Installation Instructions (cont'd)

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, adjust the valve outlet pressure and 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 above 6000 ft (1830M)				
Altitude		Natural Gas (" w.c.)		Propane Gas (" w.c.)
Feet	Meters	50, 75, 100, 125, 150	175 & 200	All Sizes
6001 - 7000	1831 - 2135	1.8	2.6	5.2
7001 - 8000	2136 - 2440	1.6	2.3	4.6
8001 - 9000	2441 - 2745	1.4	2.0	4.1
9001 - 10000	2746 - 3051	1.3	1.8	3.6