

INSTALLER'S GUIDE

18-CH12D24-3A-EN

ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES

Model:

BAYHALT230	BAYHALT235	BAYHALT245
BAYHALT231	BAYHALT236	BAYHALT246
BAYHALT232	BAYHALT237	BAYHALT247
BAYHALT233	BAYHALT241	
BAYHALT234	BAYHALT242	

HIGH ALTITUDE CONVERSION KITS

for *UX-C, *DX-C, *UX-R, *DX-R, *UY-R, and *DY-R Furnace Models

IMPORTANT — This Document is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

A. GENERAL

These high altitude conversion kits are to be used only with furnace model numbers *UX-C, *DX-C, *UX-R, *DX-R, *UY-R, and *DY-R series.

These instructions describe the conversion of these furnaces for installation exceeding an altitude of 4000 feet above sea level.

Due to the lower density of air at higher altitudes, there would be insufficient negative pressure developed by the induced draft blower to maintain normal operation. Therefore, to compensate for the less dense air, pressure switches must be changed to prevent nuisance lockouts and/or cycling of the reduced draft blower on high speed. Please note that with the reduced firing input rates required for high altitude installations, the induced draft blower has ample capacity to provide sufficient combustion air for proper and safe operation. Refer to the National Fuel Gas Code, Section 8.1.2 and Appendix F, for information regarding the correct procedure to derate the furnace's input. The following instructions must be followed to convert these furnaces for high altitude applications.

B. CONVERSION

The instructions below apply to *UX-C, *DX-C, *UX-R-V, *DXR-V, *UY-R9V-A, *DY-R9V-A, *UY-R9V-V and *DY-R9V-V furnace product lines.

1. Check for damage to kit contents, and check for all items listed in the table.
2. Disconnect electrical supply to furnace, if installed.
3. Remove the wiring connections from the pressure switch(es) in the furnace. Mark the wires if needed to properly identify the replacement.
4. Remove the pressure switch(es) sample tube from the switch assembly.
5. Remove the pressure switch from the unit.
6. Install the new pressure switch in the same location and manner as the old pressure switch.
7. Connect the pressure switch sample tube and electrical connections.

* - First letter may be "A" or "T"

8. Reconnect the electrical supply to the unit.

C. CHECKOUT

Once the furnace has been correctly rated for the high altitude installation, and the pressure switch has been changed, the furnace installation shall be checked for proper installation and performance. Refer to the unit Installer's Guide for checkout procedure.

D. NOTES

1. The use of high altitude calibrated pressure switches in sea level applications is not permitted.
2. The high altitude pressure switches are factory calibrated and sealed. Field adjustment is not permitted. If the factory seal is broken, the product warranty may be voided.

KIT CONTENTS: HIGH ALTITUDE CONVERSION KITS		
Kit Model No.	Furnace Models	Contents
BAYHALT230	*UX040C, *DX040C, *DX060C-A0 thru B1, *UX100C960	1 - Pressure Switch
BAYHALT231	*UX060C	1 - Pressure Switch
BAYHALT232	*UX080C	1 - Pressure Switch
BAYHALT233	*UX100C948, *UX120C, *DX080C, *DX120C, *DX100C-C4 and later	1 - Pressure Switch
BAYHALT234	*DX100C-A0 thru C3	1 - Pressure Switch
BAYHALT235	*UY060R-A, *UY080R-A, *DY080R-A, *DY120R-A	2 - Pressure Switch
BAYHALT236	*UY100R-A	2 - Pressure Switch
BAYHALT237	*DY100R-A	2 - Pressure Switch
BAYHALT241	*DX060C-B2 and later	1 - Pressure Switch
BAYHALT242	*UY120R-A	2 - Pressure Switch
BAYHALT245	UY060R-V, *UX060R-V, *DY060R-V, *DX060R-V	2 - Pressure Switch
BAYHALT246	*UY080R-V, *UX080R-V, *DY080R-V, *DX080R-V, *UY100R-V, *UX100R-V, *DY100R-V, *DX100R-V	2 - Pressure Switch
BAYHALT247	*UY120R-V, *UX120R-V, *DY120R-V, *DX120R-V	2 - Pressure Switch

* - First letter may be "A" or "T"

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