INSTALLATION INSTRUCTIONS
LOW AMBIENT CONTROL PACKAGE RXRZ-A85
7½ TON ROOFTOP
(1 CONTROL PACKAGE REQUIRED)
208/230 AND 460 VOLTS

⚠ WARNING

THIS ACCESSORY IS INTENDED TO BE INSTALLED BY A QUALIFIED, LICENSED SERVICE PERSON. TO AVOID UNSATISFACTORY OPERATION OR DAMAGE TO THE PRODUCT AND POSSIBLE UNSAFE CONDITIONS, INCLUDING ELECTRICAL SHOCK, REFRIGERANT LEAKAGE AND FIRE WHICH CAN RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH. THE INSTALLATION INSTRUCTIONS PROVIDED WITH THIS ACCESSORY MUST BE STRICTLY FOLLOWED AND THE PARTS SUPPLIED USED WITHOUT SUBSTITUTION. DAMAGE TO THE PRODUCT RESULTING FROM NOT FOLLOWING THE INSTRUCTIONS OR USING UNAUTHORIZED PARTS MAY BE EXCLUDED FROM THE MANUFACTURER'S PRODUCT WARRANTY COVERAGE.

PARTS LIST		
Description	**Part Number**	**Quantity**
Low Ambient Pressure Control	47-21465-03	2
Bracket	AE-56928-01	2
Adapter	83-21457-02	2
Wire Nut	45-18058-07	2
Wire Tie	64-17606-01	6
Installation Instructions	92-22046-08	1

⚠ WARNING

BEFORE BEGINNING ANY MODIFICATION, BE SURE THE MAIN DISCONNECT SWITCH IS IN THE "OFF" POSITION. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

CAUTION: *When making flare connections, use a back-up wrench to avoid breaking connection or splitting flare.*

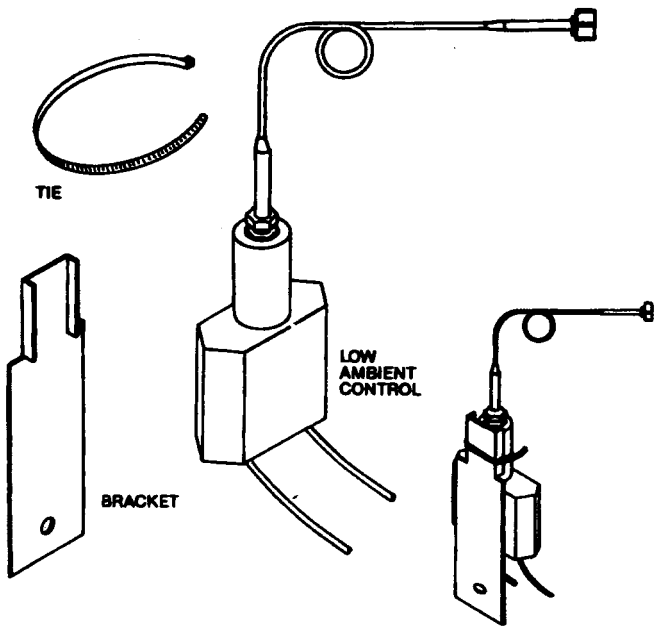


FIGURE 1. LOW AMBIENT CONTROL ASSEMBLY, TWO REQUIRED!

7½ TON ROOFTOP INSTALLATION

I. INSTALLING LOW AMBIENT CONTROL WITHOUT HIGH PRESSURE CONTROL BEING INSTALLED.

A. Remove compressor access panel.

B. Remove control box cover if applicable.

C. Secure the low ambient control to the bracket provided, using a wire tie. (Refer to Figure 1.) Two required.

D. Remove existing screw located at the top of the condenser section side panel close to the control box. (Refer to Figure 2.) Install the bracket and control assembly using existing screw. Mount both assemblies on same screw.

E. Remove cap from liquid line service port. Install cap on service port end (with valve core) of adapter provided. One control for each refrigeration circuit.

NOTE: If high pressure control is to be installed at this time, the valve core needs to be removed from the adapter and the control attached in place of the cap. Refer to installation instructions for the high pressure control.

F. Connect tubing from control to end of adapter tee without valve core.

G. Carefully route control tubing to make sure it doesn't come in contact with vibrating parts that could cause damage and connect tee to high side service port.

H. Check all connections for refrigerant leaks and repair as necessary.

II. ELECTRICAL CONNECTIONS

A. Route leads from the low ambient controls up through smooth openings in bottom of control box.

B. Disconnect the black fan motor lead at T3 of compressor contactor #1. Connect both low ambient control leads with flat terminal to terminal T3 of compressor contactor #1.

C. Remove terminal from fan motor black lead and strip the insulation back 1/2″ from end.

D. Connect the black fan motor lead to the stripped leads of both low ambient controls with wire nut provided.

E. Secure leads from controls to a convenient wire bundle using the wire ties provided.

F. Reinstall control box cover if applicable, and compressor access panel.

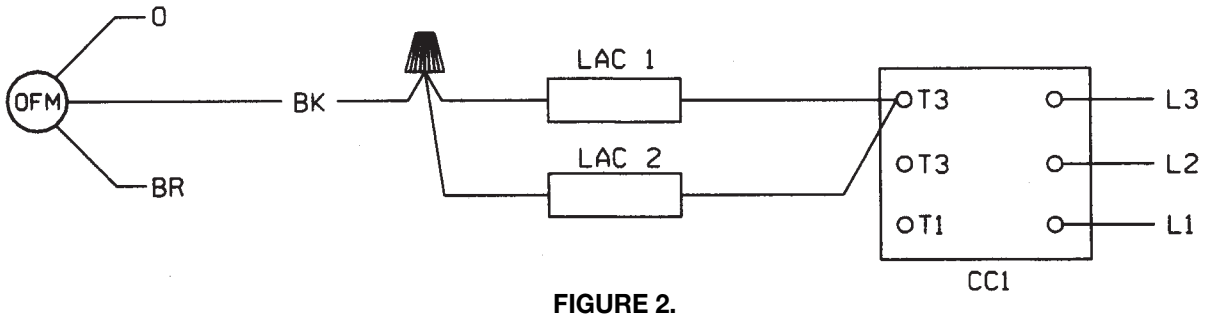
III. UNIT CHECK

A. Restore power and check unit for proper operation.

B. Outdoor fan cycles off when liquid pressure drops below 175, ± 10 PSIG.

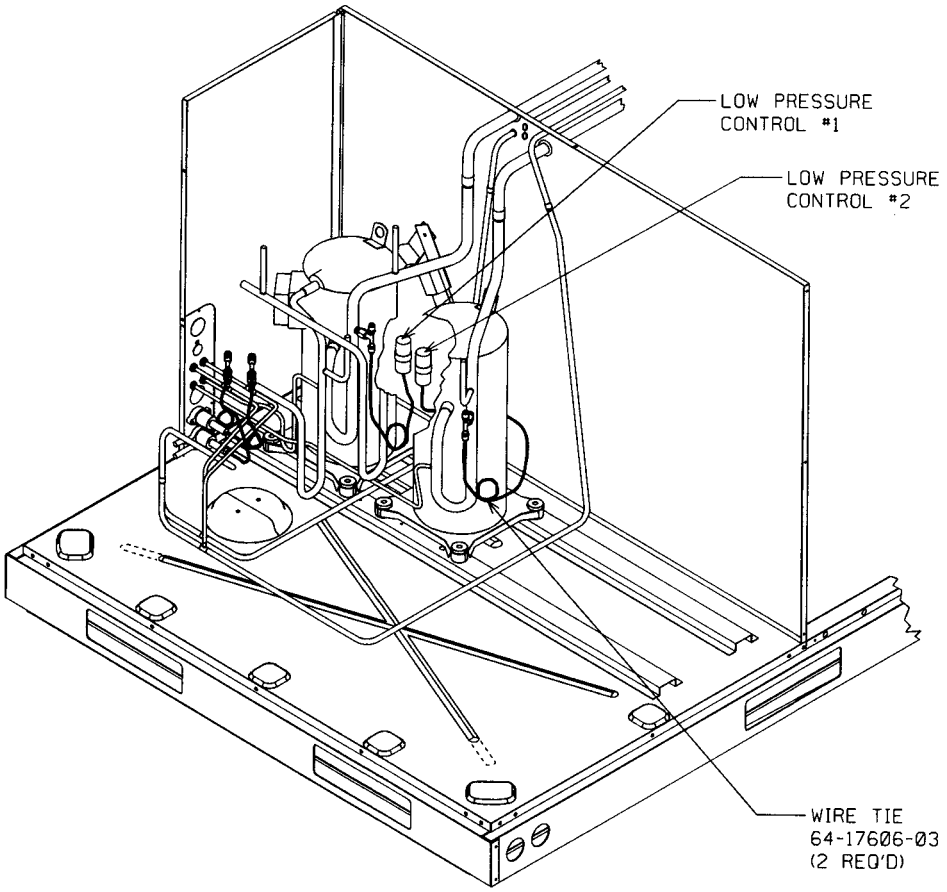
C. Outdoor fan cycles on when liquid pressure rises above 250, ± 10 PSIG.

This accessory is used when unit operation is required during low ambient conditions. Installation of this control provides a means of de-energizing the condenser fan motor. This permits the suction (low side) to remain above the point which can cause icing of evaporator (inside coil).



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FIGURE 2.



ST-A0801-04

FIGURE 3. LOW AMBIENT CONTROL LOCATION