Installation Instructions

INTRODUCTION

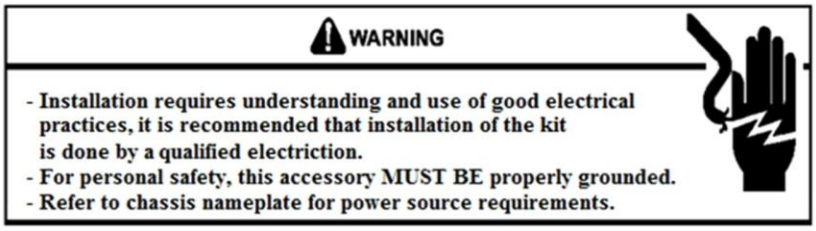
These instructions cover installation of the ETAC2 Hardwire Accessory Kit, on ETAC2 Packaged Terminal Air Conditioners (PTAC) requiring permanent connection to a power source. See Table 1 for part number selection options. ⚠ CAUTION, correct amperage Hardwire Kit is required to match the circuit breaker and building wiring. Failure to do so may cause property damage, personal injury or death.

Unit Model	Electric Heater - Amp (KW)		
	15A (2.54KW)	20A (3.5KW)	30A (5.0KW)
	230V		
ETAC2-07--230V---* ETAC2-09--230V---*	E2-HW-230V-15A	E2-HW-230V-20A	Not Available*
ETAC2-12--230V--- ETAC2-15--230V---			E2-HW-230V-30A
	265V		
ETAC2-07--265V---* ETAC2-09--265V---*	E2-HW-265V-15A	E2-HW-265V-20A	Not Available*
ETAC2-12--265V--- ETAC2-15--265V---			E2-HW-265V-30A

*Using 30A on these units could result in personal injury and/or damage to your unit or property.

Table 1 – Part Number Selection Table

SAFETY CONSIDERATIONS



Installing and servicing air-conditioning equipment can be hazardous due to system pressures and electrical components. Only trained and qualified personnel should install or service air-conditioning equipment. When working on air-conditioning equipment, observe the precautions provided in literature, tags, and labels attached to the unit.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes and current editions of the National Electrical Code (NEC) NFPA 70. In Canada, refer to current editions of the Canadian electrical code CSA 22.1.

Recognize safety information. This is the safety-alert symbol ⚠. When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand these signal words: DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which will result in severe personal injury or death. WARNING signifies hazards which could result in personal injury or death. CAUTION is used to identify unsafe practices which may result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which will result in enhanced installation, reliability, or operation.

GENERAL

This Hardwire Accessory Kit can be field installed to permanently connect an ETAC2 packaged terminal air conditioner (PTAC) unit to a power source. This kit comes in 6 different models, consult a qualified HVAC professional or electrician to be sure you select the correct model for your building wiring and circuit breaker. See Fig. 1 for Hardwire Accessory Kit package contents.

PACKAGE CONTENTS

- 36 inch Hardwire Whip

FIELD SUPPLIED MATERIALS

- Butt Splices or Wire Nuts

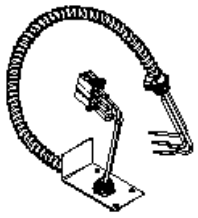
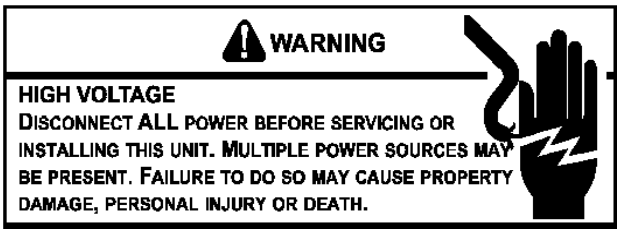


Figure 1 – Package Contents

INSTALLATION

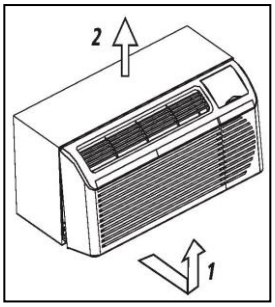
All wiring must comply with ALL NEC requirements and local electrical codes.

Step 1 — Disconnect all power to unit.



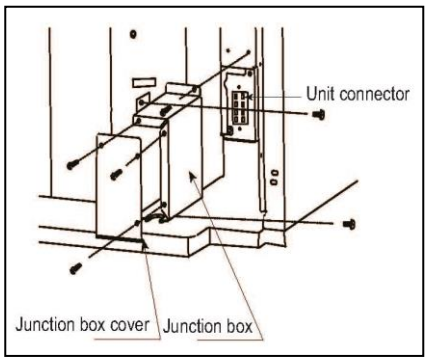
Step 2 — Remove front panel.

a. Pull out at the bottom to release it from the tabs (1).
b. Then lift up (2).

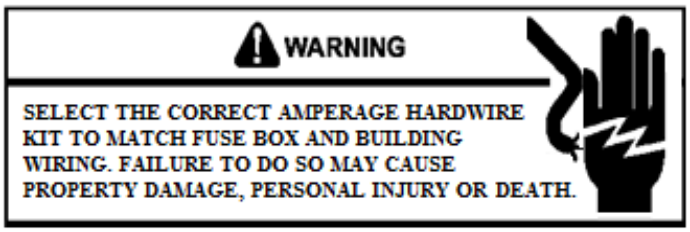


Step 3 — Remove junction box.

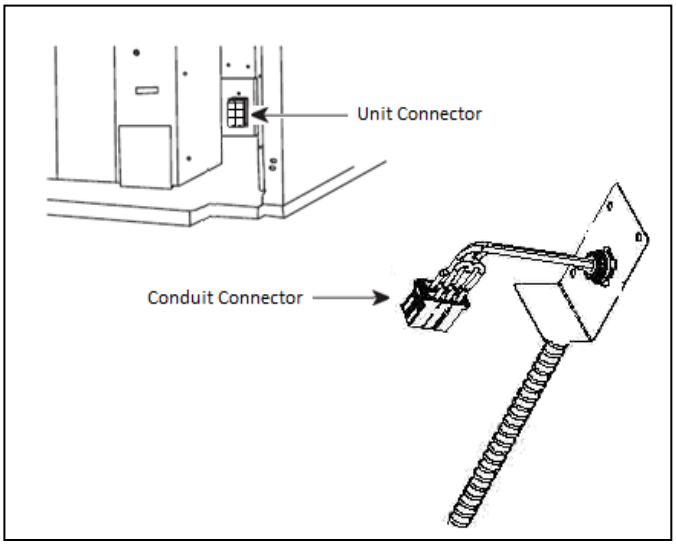
a. Remove junction box cover by removing three screws from front (save screws for later).
b. Remove junction box by taking out top, rear and side screws (save screws and junction box for later).



Step 3 — Install conduit connector to unit connector.

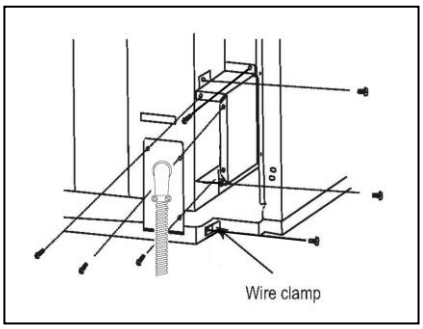


a. Units must be installed using the appropriate hardwire kit. See Power Connection Chart on page 1.
b. Install conduit connector to unit connector. Be sure it's fully seated, do not force, it only goes in 1 way.

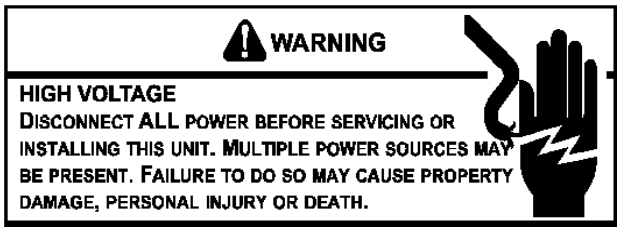


Step 4 — Re-install junction box and cover.

a. Re-install junction box using parts saved in Step 3.b.
b. Install conduit using new junction box cover attached to the conduit and secure with screws saved in step 3.a.



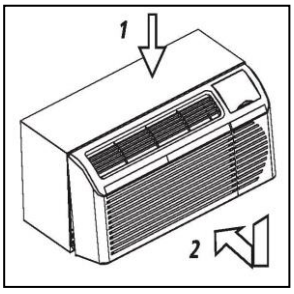
Step 5 — Connect Power Source.



a. Re-verify all power is disconnected, including power at the power source.
b. Connect the Hardwire assembly wires to power source. Make connections with properly sized butt splices or wire nuts (field supplied). See Fig. 7.

Step 6 — Replace front panel.

a. Place tabs over top rail (1).
b. Push Inward at bottom until panel snaps into place (2).



Step 7 — Restore Power

a. Restore power to unit.

CAUTION

TO AVOID THE RISK OF PROPERTY DAMAGE, PERSONAL INJURY OR FIRE, USE ONLY COPPER CONDUCTORS.

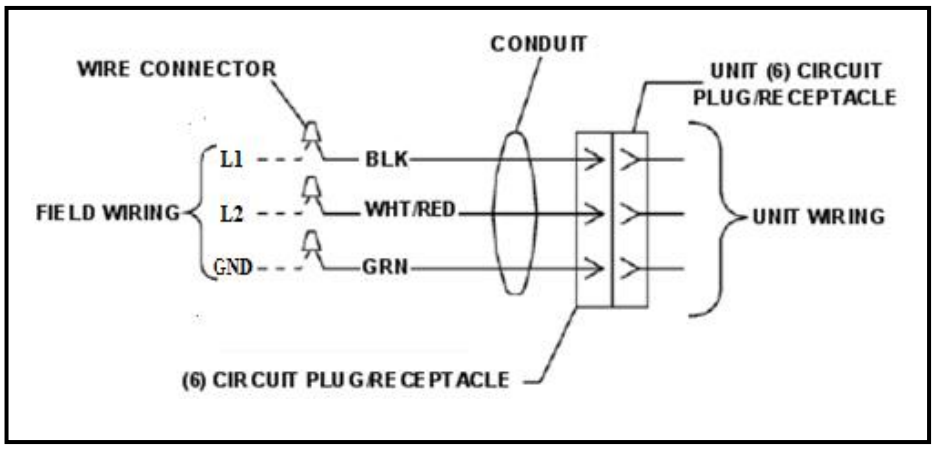


Fig. 7 - Hardwire Assembly and Wiring Diagram

CAUTION

TO AVOID THE RISK OF PERSONAL INJURY, WIRING TO THE UNIT MUST BE PROPERLY POLARIZED AND GROUNDED.