

operating and maintenance instructions

PACKAGED TERMINAL AIR CONDITIONER WITH ELECTRIC HEAT AND HEAT PUMP UNITS

84 Series
Sizes 007-015

Cancels: OM 84-07-1

OM 84-07-2
4/15/03

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FOR SERVICE CALL TOLL-FREE
1-877-875-3362

IMPORTANT: Read entire installation instructions before installing unit.

PRODUCT INFORMATION

If you have problems or questions concerning your Air Conditioner or Heat Pump unit, you will need the following information. Model and serial numbers are on the nameplate of the cabinet.

Model No. _____

Serial No. _____

Date of Purchase _____

Dealer's Address _____

Dealer's Phone Number _____

INTRODUCTION

The 84 series of packaged terminal air conditioning units (PTAC) offers 3 units: 842 cooling unit, 840 cooling unit with electric heat and 841 heat pump unit with electric heat. Units are available in 4 different capacity sizes: 7000, 9000, 12,000, and 15,000 Btuh. Units are available in 208/230 and 265 voltages.

SAFETY CONSIDERATIONS

The 84 series PTAC units meet strict safety and operating standards. It is important to install or service the system so it operates safely and efficiently. For safe installation and trouble-free operation, carefully read the Installation Instructions before beginning. Follow each installation step exactly as shown. Observe all local, state, and national electrical codes. Pay close attention to all warning and caution notices given in this manual.

The Warning symbol refers to a hazard or unsafe practice which can result in severe personal injury or death. The Caution symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

The information in these instructions is applicable for most installation sites and maintenance conditions. It is recommended that this unit be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the unit.

IMPORTANT: Before installation, check that the voltage of the electric supply is the same as the voltage shown on the nameplate.

UNIT INSPECTION

Examine unit for damage incurred during shipment. File a claim immediately with the transit company if damage is found.

The data information plate (Fig. 1), located on front of unit under front panel, lists the model number, voltage ranges, and other important electrical information about this product. Reading and understanding this material is important for proper use of this unit. To access the information plate, the front panel must be removed; see Fig. 2.


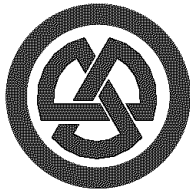
MODEL	840ADX012003AAAA		
SERIAL	2802X77609		
DATE OF MFG	07-08-02		
VOLT RANGE	239-292		
VOLTS	265		
PH	1	HZ	60
MIN CKT AMPACITY	16.7		
R-22 OZ	26.0		
DESIGN PSIG 350 HIGH SIDE, 150 LOW SIDE			
COOLING			
BTU/HR	12000		
AMPS	4.6		
WATTS	1188		
EER	10.1		
COMP	RLA	4.8	
	LRA	21.6	
FAN	FLA	0.71	
MOTOR	HP	1/8	
HEATING			
BTU/HR	11600		
AMPS	13.5		
WATTS	3570		
COP			
HEATER	AMPS	12.8	
	WATTS	3400	
BTU/HR	WATER		
	STEAM		
USE	20 AMP	CANADIAN INSTALLATION	
TIME DELAY FUSE		MAX FUSE	MAX BREAKER
OR HACR TYPE		20 AMP	20 AMP
CIRCUIT BREAKER			
ABOVE DATA FOR PERMANENTLY CONNECTED UNIT ONLY MOTOR - COMPRESSOR THERMALLY PROTECTED			
 LISTED PACKAGE TERMINAL AIR CONDITIONER 64R0		 CAC/BDP	
MADE IN MEXICO 52C0502752 REV -			
FOR SERVICE/TECHNICAL ASSISTANCE IN THE U.S. & CANADA TELEPHONE			
1-877-875-3362			

Fig. 1 — Sample Data Information Plate

I. FRONT PANEL

To remove the front panel:

1. Grasp panel firmly near bottom of both sides.
2. Pull panel forward then upward to release magnetic latches and partition hooks.

NOTE: Front panel may be secured to chassis with 2 screws located behind indoor air inlet filters. In order to remove these screws, the filters must be removed first. Refer to page 8 in this manual for instructions on removing indoor air inlet filters.

IMPORTANT: The front panel has to be off the unit to complete future checks and installation procedures. **Do not reinstall front panel at this time.**

Using Fig. 1 and 3 as reference, verify that the packaged terminal product ordered will operate properly in your facility. If you do not understand the information given or have questions about the product, please call your local dealer or distributor.

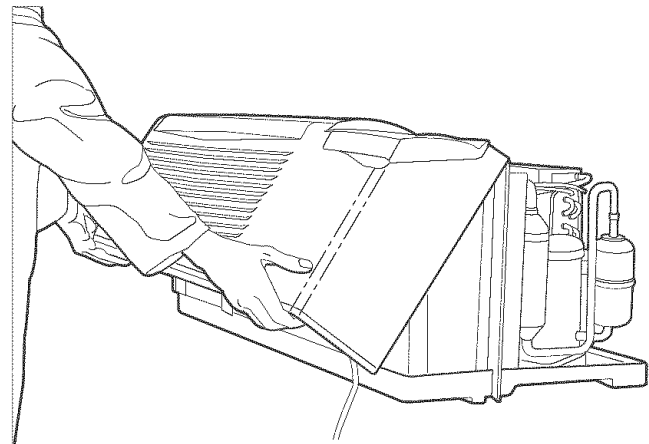


Fig. 2 — Removing Front Panel

Replacement Package Terminal Air Conditioner, CLASSIFIED BY UNDERWRITERS LABORATORIES INC., AS TO ELECTRIC SHOCK, FIRE AND CASUALTY HAZARDS ONLY. FOR FIELD INSTALLATION WITH EXISTING WALL SLEEVES, OUTDOOR LOUVERS, AND INDOOR PANELS AS SPECIFIED ON THE PRODUCT.



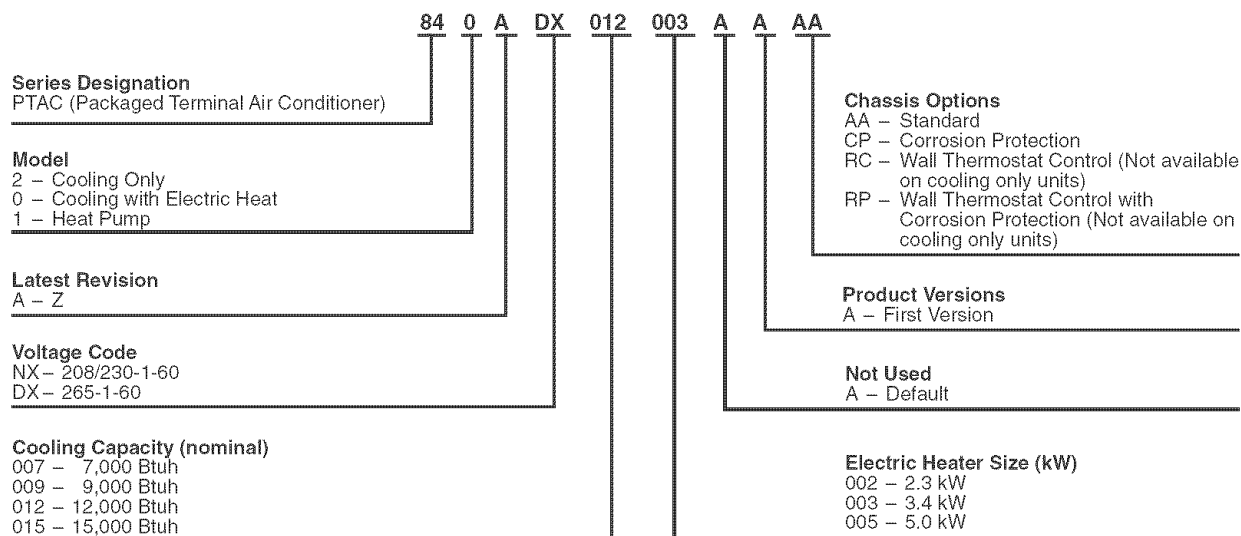


Fig. 3 — Model Number Nomenclature

To install the front panel follow the procedure outlined below:

1. Firmly grasp bottom of front panel on both sides.
2. Hold front panel at a 45 degree angle to unit. Be sure front panel is centered with front of unit.
3. Connect top of front panel to partition rail on top of unit.
4. Gently lower front panel onto chassis, ensuring service cord is positioned through front panel slot.

NOTE: Magnets on bottom of front panel will secure front panel to unit.

To install locking feature on front panel be sure front panel is already installed on unit and follow the steps below:

NOTE: Two field-supplied no. 8, 1/2 in. sheet metal screws are required to secure front panel to chassis.

1. Remove both indoor air inlet filters to expose front panel engagement holes. See Fig. 4.
2. Secure front panel to chassis by attaching the field-supplied screws into engagement holes. *Do not over tighten.*
3. Replace both indoor air inlet filters.

NOTE: Front panel alignment may have to be adjusted slightly to line with chassis.

ELECTRICAL DATA

⚠ WARNING: ELECTRICAL SHOCK HAZARD
DO NOT alter cord or plug, and DO NOT use an extension cord. Personal injury or damage to the unit may result.

Be sure that your outlet matches the appropriate blade configuration of the supplied plug and that it is within reach of the service cord. A hardwire kit is available as an accessory to change cord-connected units to hardwired units. (See Accessories table on page 11.)

IMPORTANT: All standard cord-connected 265-v units will require a field-installed electrical subbase accessory.

I. ALL UNITS

A. Wire Size

Use recommended wire size given in Table 1 and install a single branch circuit. All wiring must comply with local and

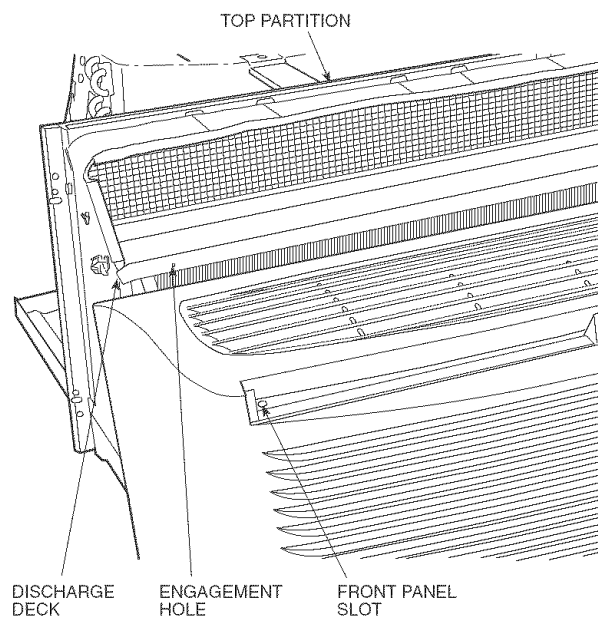


Fig. 4 — Front Panel Installation with Locking Feature

national codes. **All units are designed to operate off single branch circuits only.**

NOTE: Use copper conductors only.

B. Grounding

For safety and protection, the unit is grounded through the service cord plug or through separate ground wire provided on hardwired units. Be sure that the branch circuit or general purpose outlet is grounded.

Table 1 — Suggested Branch Circuit Wire Sizes*

NAMEPLATE AMPS	AWG WIRE SIZE†
7.0 to 12	14
12.1 to 16	12
16.1 to 24	10

LEGEND

AWG — American Wire Gauge

*Single circuit from main box.

†Based on copper wire at 60 C temperature rating.

II. VOLTAGE SUPPLY

Check voltage supply at outlet. For satisfactory results, the voltage range must always be within the ranges found on the data information plate (Fig. 1).

A. Cord-Connected Units

The 250-v field-supplied outlet must match the plug for the standard 208/230-v units and be within reach of the service cord. The standard cord-connected 265-v units require an accessory electrical subbase for operation. See Accessories table, page 11, for subbase selection. Refer to Table 2 for proper receptacle and fuse type.

Table 2 — Receptacles and Fuse Types — 250, 265 Volts

RATED VOLTS	TIME-DELAY TYPE FUSE (or HACR Circuit Breaker)	Amps	RECEPTACLE
250	15	15	
	20*	20	
	30	30	
265	15	15	
	20	20	
	30	30	

LEGEND

HACR — Heating, Air Conditioning, Refrigeration

*May be used for 15-amp applications if fused for 15 amp.

INSTALLATION

I. CHASSIS INSTALLATION

Units are shipped without a sleeve. In applications where unit is a replacement, it is recommended that a 84 series wall sleeve be used. The 84 series units can retrofit General Electric, Amana, Trane, Bryant, Friedrich and Carrier sleeves/grilles (be sure outdoor grille is installed on the sleeve). See Table 3 for details.

For competitive retrofit applications, be sure that the foam seals (factory-installed on tube sheets) provide a good seal between the grille and condenser coil tube sheets. These foam seals prevent air recirculation (outgoing air mixing with incoming air) which can cause premature damage to major components. See Fig. 5-7.

NOTE: Inspect wall sleeve for any damage or deterioration before installing chassis.

CAUTION: For retrofit applications, foam seals on outdoor coil tube sheets must make a good seal between the coil and grille or a loss of performance and premature wear to the major components can occur.

Table 3 — Retrofit Wall Sleeves

MANUFACTURER	WALL SLEEVE PART NUMBER
General Electric	Metal Sleeve RAB71
	Plastic Sleeve RAB77
Amana	Metal Sleeve WS900B
Trane	Metal Sleeve SLV149
Carrier	Metal Sleeve SLEEVE-STEEL-1PK
	Plastic Sleeve WALL-SLEEVE-1PK
Friedrich	T-Series Metal 11½ in. deep wall sleeve*
	Standard depth wall sleeve 16x42x13¾ in. PXWS.

*FR-SLEEVE-EXT accessory is required for retrofit into Friedrich (T-Series) wall sleeves.

A. Retrofit Sleeve Preparation

IMPORTANT: Inspect the wall sleeve thoroughly prior to installation. Manufacturer does not assume responsibility for costs or damages due to defects in the sleeve or improper installation.

WARNING: Disconnect all power to unit to avoid possible electrical shock during installation.

Remove any existing foam baffles that are installed on the outdoor grille if present. See Fig. 5.

GE Sleeves Only

Metal Wall Sleeve — Remove metal clip on mounting rail located on left, inside bottom of metal sleeve and discard. See Fig. 6.

Plastic Sleeve — Remove bottom seal from plastic sleeve. See Fig. 7.

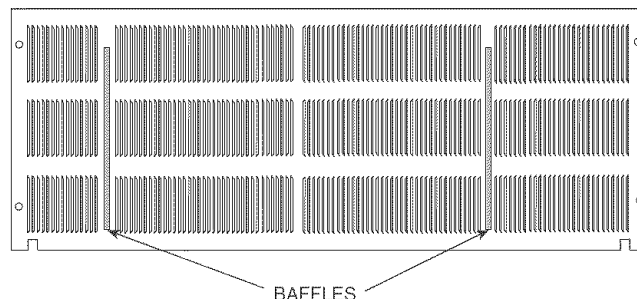


Fig. 5 — Remove Existing Outdoor Grille Baffles

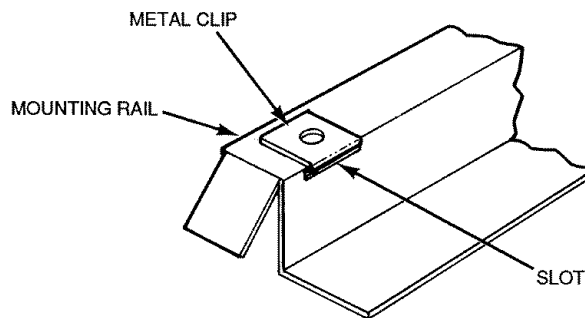


Fig. 6 — Remove Metal Clip on GE Metal Sleeve

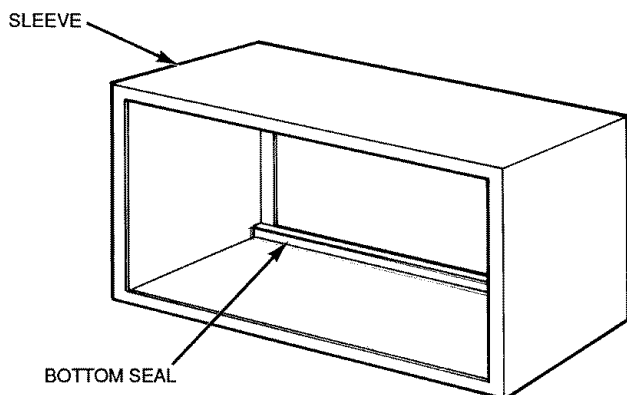


Fig. 7 — Remove Bottom Seal from GE Plastic Sleeve

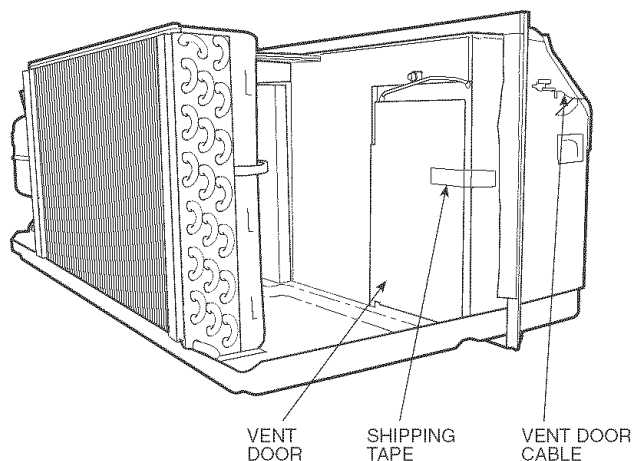


Fig. 9 — Location of Shipping Tape on Vent Door

B. Install Chassis in Sleeve (See Fig. 8-11)

1. Inspect foam gaskets (top, bottom, both sides) on chassis. Replace foam gaskets if torn or missing.

⚠ WARNING: Chassis weighs up to 150 lb. For personal protection, seek help when lifting the unit. Lift unit by holding unit basepan.

2. Remove shipping tape from vent door. See Fig. 9.

⚠ CAUTION: Failure to remove shipping tape will prevent fresh air vent door from opening and may result in damage to the vent door cable.

3. Lift chassis level with wall sleeve.
4. Slide chassis into wall sleeve until foam gaskets rest firmly against front of wall sleeve.
5. Screw chassis to wall sleeve with four mounting screws taped to the control box. Screw holes are located on both sides of the mounting angles of the chassis. See Fig. 11.

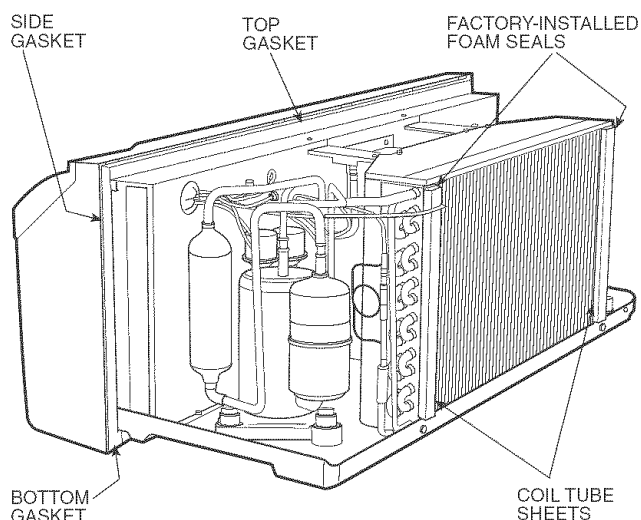


Fig. 10 — Unit Gaskets and Tube Sheets

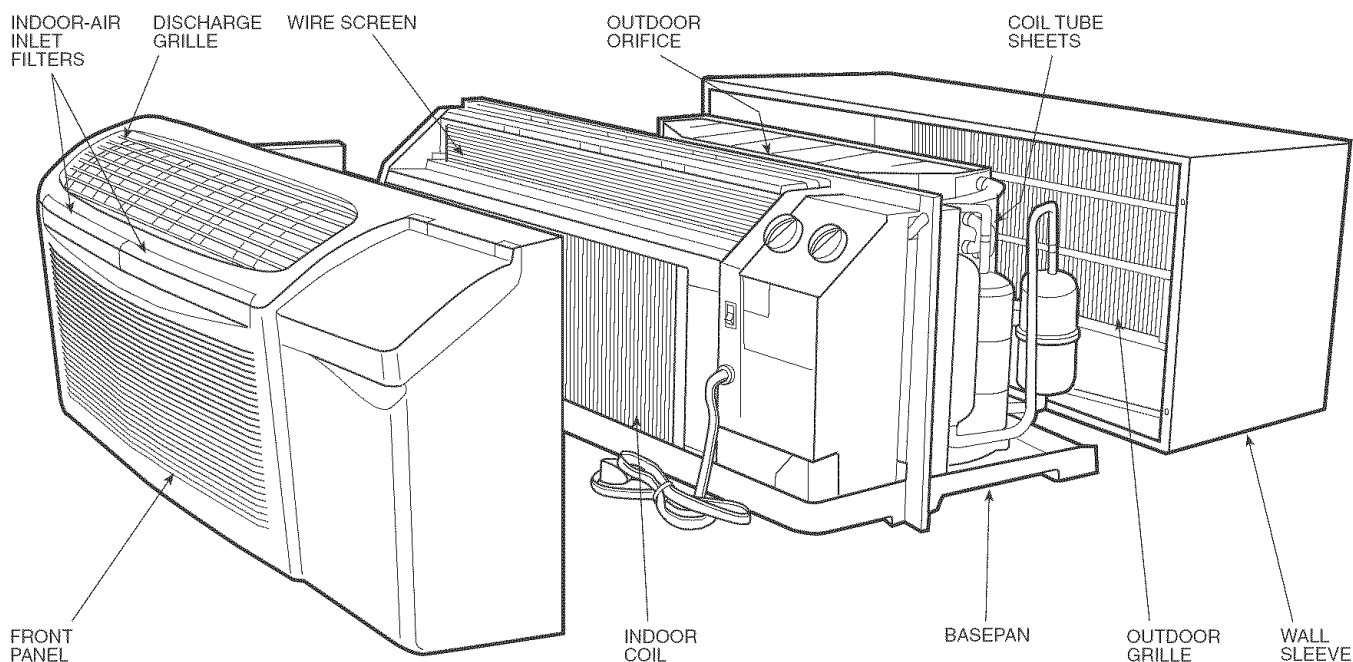


Fig. 8 — Unit Components

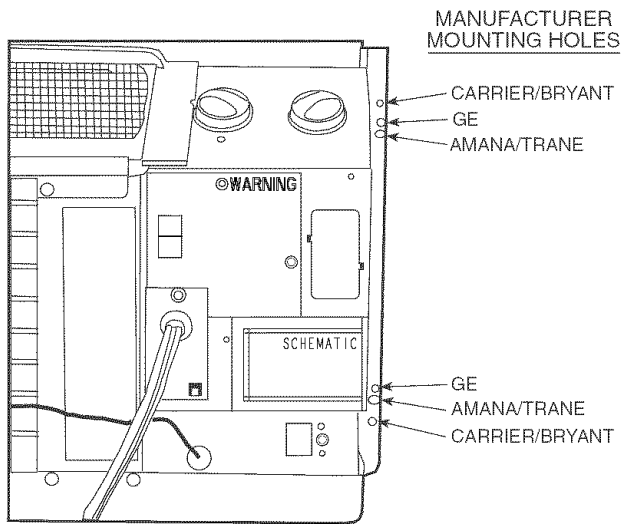


Fig. 11 — Chassis Mounting

II. WALL THERMOSTAT INSTALLATION

The following instructions apply to RC and RP units only.

NOTE: See Accessories section for recommended thermostats.

IMPORTANT: Only trained, qualified personnel and service mechanics should install electrical accessories. Please contact your local electrical contractor, dealer, or distributor for assistance.

Install Thermostat

All remote control units.

1. Check to be sure power to unit is disconnected.
2. Remove terminal board cover from control box cover by removing screw (see Fig. 12).

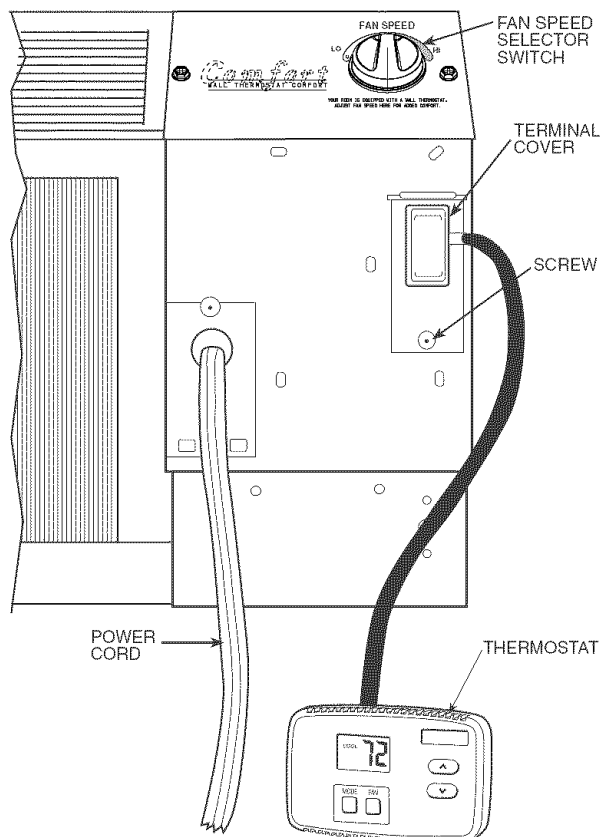
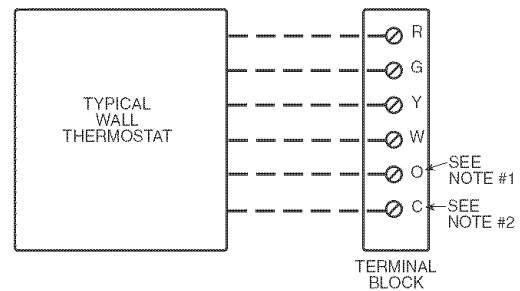


Fig. 12 — Control Box Terminal Cover

NOTE: Terminal connector can be removed and replaced to simplify thermostat wiring.

3. Connect wires from terminals on the thermostat to terminals on chassis terminal board connector. See Fig. 13 and 14.
4. Reinstall cover.
5. Set desired fan speed using fan switch (unit will operate only at selected speed).
6. Restore power to unit.

NOTE: Refer to thermostat installation instructions for details on installing thermostat.



NOTES:

1. Use terminal "O" for heat pump connection only.
2. Terminal C (common) typically is only required for digital thermostats.
3. See table below for terminal descriptions.

TERMINAL	DESIGNATION
R	24 VAC
G	Fan
Y	Compressor
W	Electric Heat
O	Reversing Valve
C	Common

Fig. 13 — Wiring Connections

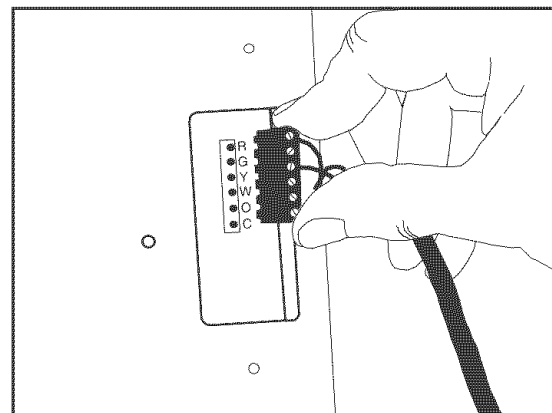


Fig. 14 — Terminal Connector Removal and Replacement

OPERATION

IMPORTANT: When unit is first started, high humidity conditions can cause condensation to form on discharge grille. Keep doors and windows closed. When room humidity decreases, the moisture will evaporate.

I. COMFORT CONTROLS

A. Adjust Airflow Direction

The discharge air grille is mounted on the front panel so that the air discharges forward. If upward discharge is required, remove the grille by removing screws on back of front panel. Rotate grille 180 degrees and reinstall on the front panel.

B. Adjust Vent

The vent handle is on the left side of the unit. Turn handle to open or close vent. Vent will remain in last desired position until handle is turned again. See Fig. 15.

C. Setting Temperature Limits

Setting temperature limits on the unit provides the user a restricted range of temperature control. See Fig. 16.

NOTE: This adjustment is optional and is not applicable to remote control units.

The temperature limits are factory set to full range, which is 60 F to 90 F. To set restricted rotation of the temperature control knob:

1. Remove front panel.
2. Remove temperature control knob to expose temperature limiter.
3. Remove standoff pins from the 60 F and 90 F indicator holes.
4. Replace standoff pin in hole for desired minimum temperature.
5. Replace standoff pin in hole for desired maximum temperature.
6. Reinstall temperature control knob.
7. Reinstall front panel.

NOTE: Temperature indicators stamped on temperature limiter are approximate and represent degrees F.

II. OPERATING CONTROLS

The following controls are located on the front of the control box door, under front panel. To obtain access to operating controls, remove the unit front panel as shown on page 2. See Fig. 16.

A. Fan Cycle Switch

(Typically available at wall thermostat on RC or RP units.) This allows the fan to operate in two modes:

CON (Continuous)

This setting allows the fan to run continuously, circulating air even when the temperature setting has been satisfied. This switch helps to maintain the room temperature closer to the thermostat setting. Use this switch position when maximum comfort is desired. This is the factory default setting.

CYC (Cycle)

This setting allows the fan to cycle on and off with the compressor during heating or cooling. The fan stops when the temperature setting is satisfied. This results in longer unit off-time and wider variations in room temperature and humidity.

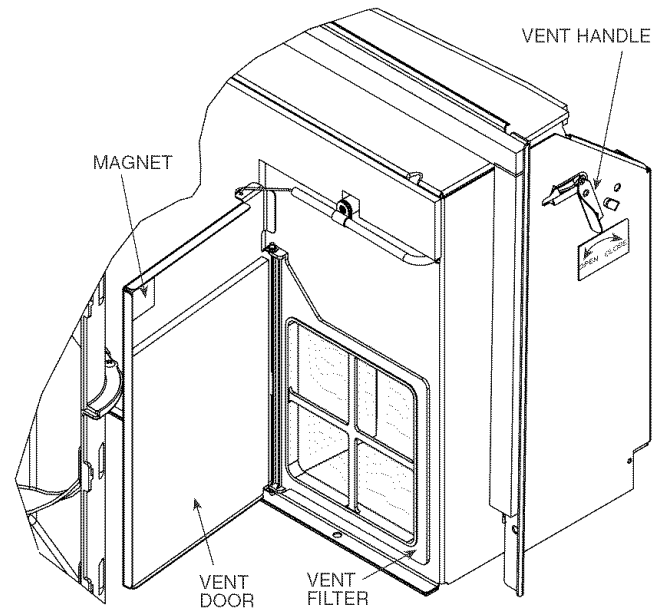


Fig. 15 — Vent Door

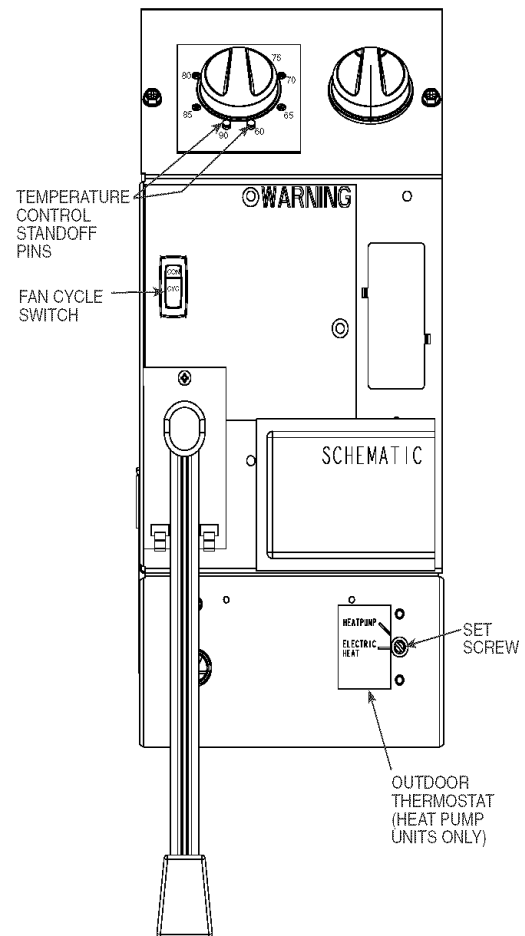


Fig. 16 — Operating Controls

B. Outdoor Thermostat (Heat Pump Units Only)

If the setscrew is left at the factory setting (in the heat pump position), the unit will operate in the reverse cycle heating mode. See Fig. 16. When the temperature of the outdoor coil drops below 20 F (approximately 35 F outdoor-air temperature), the compressor will be disabled and only the electric heater will be allowed to operate. The electric heater remains enabled until the temperature of the outdoor coil rises above 40 F; at which time the electric heater will be disabled and the compressor will be enabled.

To set unit to operate in electric heat mode only, turn the set-screw to the electric heat position. See Fig. 16.

IMPORTANT: If setscrew on standard heat pump unit is set to electric heat mode operation, the compressor is disabled for *both* heating and cooling operations. If setscrew on heat pump unit with wall thermostat control is set to electric heat mode operation, the compressor will be disabled *only* for heating operation.

III. OPERATING MODES (See Fig. 17 and 18)

A. Outside Air

To bring outside air into occupied space, turn the vent handle to the full open position. See Fig. 15.

B. Off

The OFF mode terminates unit operation.

C. Fan

The FAN mode will circulate air in the space at high speed and at high or low speed for cooling only models.

D. High Heat or High Cool

Select mode and rotate temperature knob to desired comfort level. This function provides maximum heating or cooling, and is recommended to raise or lower the room temperature quickly.

E. Low Heat or Low Cool

Select mode and rotate temperature knob to desired comfort level. This function provides minimum heating or cooling with maximum dehumidification and quietest operation.

F. Fan Speed Control for Wall Thermostat Models

For maximum comfort, fan speed is user selectable at the unit. See Fig. 18.

CARE AND MAINTENANCE

In order to maintain proper performance of your packaged terminal air conditioner or heat pump, it is very important that the fan and outdoor coil, the blower wheel, blower scroll, electric heater, and all drain passages are thoroughly cleaned at least once per year. Manufacturer recommends minimumly, cleaning should be conducted prior to the start of each heating season. The air inlet filters should be cleaned every month.

Depending on local conditions, more frequent cleaning of the unit may be required to ensure optimum performance and long operating life. Examples of these special conditions include areas where construction dust or heavy airborne dirt is found, or environments that promote the growth of fungus.

CAUTION: Some local conditions and environments can cause fungi to grow inside the air conditioner, especially on indoor blower section. Dried fungi, dirt and other foreign material are fire hazards. Be sure to clean unit according to the instructions that follow.

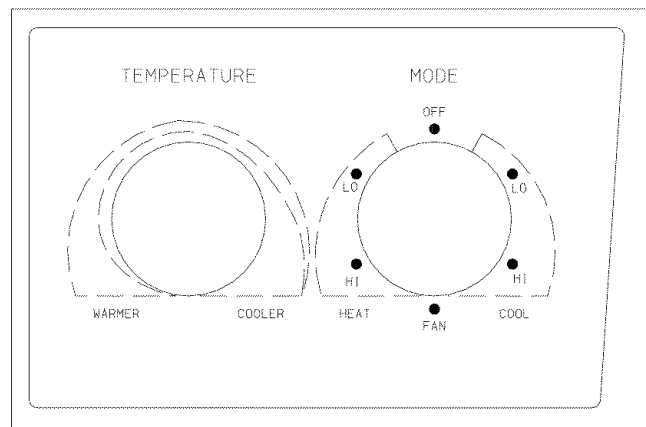


Fig. 17 — Standard Unit Controls

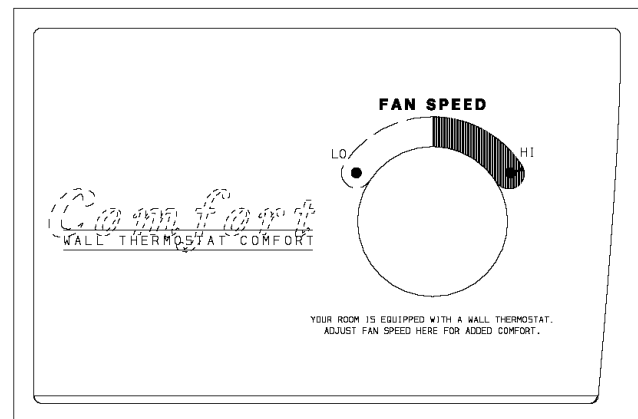


Fig. 18 — Wall Thermostat Control (Blank Plate)

I. INDOOR-AIR INLET FILTERS

Indoor-air inlet filters should be cleaned once each month.

IMPORTANT: Filters may become clogged if not cleaned properly. Clogged filters will restrict airflow which may lead to severe component damage and efficiency loss.

Cleaning Indoor-Air Inlet Filter

Two interchangeable air filters are located on the backside of the front panel. Each can be removed and cleaned one at a time. To remove and clean the filter, follow the steps below:

1. Grasp filter with both hands.
 2. Gently pull the filter up and away from the unit. See Fig. 8 and 19.
 3. To clean filter, use a vacuum or soft bristle brush with a small amount of mild detergent.
- NOTE:** If detergent is used, remove any detergent residual with a gentle stream of clean water.
4. Allow filters to air dry.
 5. Re-insert dry filters back into front panel.

Additional filters are available in multi-packs. Refer to Accessories section.

II. EXTERNAL PARTS

External parts include the polymer sleeve and grilles. The sleeve manufacturer recommends cleaning the surface, including the grilles, with household detergent and water.

III. INTERNAL PARTS

Internal parts should be cleaned at least once during the year. The outdoor vent filter should be cleaned at least once during a cooling or heating season.

Internal parts that should be cleaned include the following (see Fig. 8, 20, and 21):

- Outdoor vent filter
- Basepan
- Outdoor orifice and fan
- Indoor and outdoor refrigeration coils
- Indoor blower wheel
- Wire screen
- Scroll
- Wall sleeve internal surfaces
- Outdoor grille

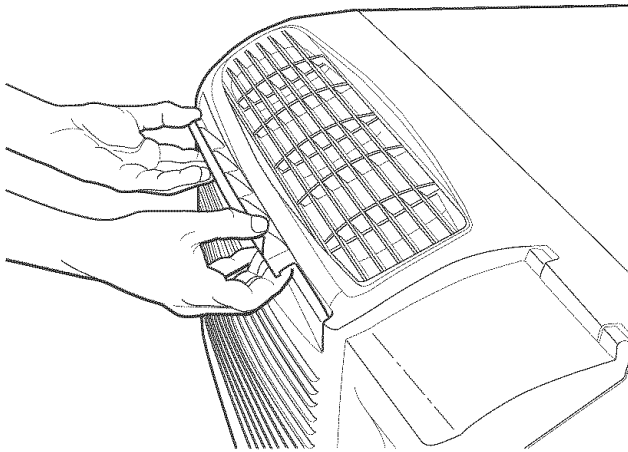


Fig. 19 — Indoor-Air Inlet Filter Removal

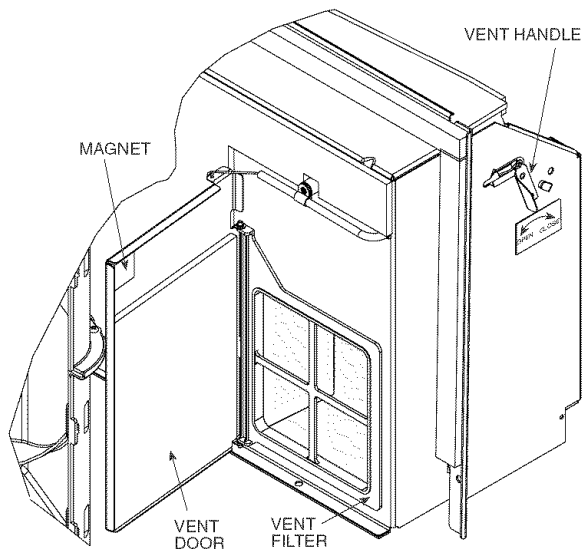


Fig. 20 — Outdoor Vent Filter (Left Side of Chassis)

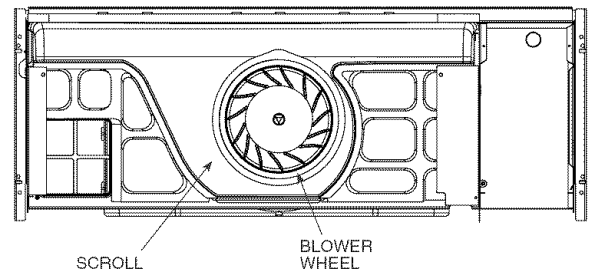


Fig. 21 — Blower Wheel and Scroll

PREVENTATIVE MAINTENANCE

Preventative maintenance is essential to proper unit operation, efficiency and longevity. To assure equipment operates properly it must be properly maintained. Equipment operation should be checked and verified several times during each year.

During regular unit inspection and maintenance, follow the guidelines below:

- Wash both sides of outdoor coil
- Wash basepan and outdoor vent filter
- Wash the indoor coil
- Clean the blower wheel and front panel
- Clean or install new indoor-air inlet filter(s)
- Ensure knobs are secure and operable
- Inspect cord and receptacle
- Secure electrical connections
- Ensure front panel is properly mounted and not damaged
- Ensure wall sleeve is installed properly
- Ensure heat and cool cycles operate properly

TROUBLESHOOTING

POSSIBLE CAUSES	SOLUTIONS
UNIT DOES NOT START <ul style="list-style-type: none"> Unit may have become unplugged Fuse may have blown Circuit breaker may have been tripped Unit mode dial may be set to the OFF position 	<ul style="list-style-type: none"> Check that plug is securely in wall receptacle. Replace the fuse. See Note 1. Reset circuit breaker. See Note 1. Switch mode dial to an operating mode.
UNIT NOT COOLING/HEATING ROOM <ul style="list-style-type: none"> Unit air discharge section is blocked Temperature setting is not high or low enough Unit air filters are dirty Room is excessively hot or cold when unit is started Vent door left open 	<ul style="list-style-type: none"> Make sure that curtains, blinds or furniture are not restricting or blocking unit airflow. Reset to a lower or higher temperature setting. Remove and clean filters. Allow sufficient amount of time for unit to heat or cool the room. Start heating or cooling early before outdoor temperature, cooking heat or gatherings of people make room uncomfortable. Close vent door.
UNIT MAKING NOISES	<ul style="list-style-type: none"> Clicking, gurgling and whooshing noises are normal during operation of unit.
WATER DRIPPING OUTSIDE	<ul style="list-style-type: none"> If a drain kit has not been installed, condensation run-off during very hot and humid weather is normal. See Note 2. If a drain kit has been installed and is connected to a drain system, check gaskets and fittings around drain for leaks and plugs.
WATER DRIPPING INSIDE <ul style="list-style-type: none"> Wall sleeve is not installed level 	<ul style="list-style-type: none"> Wall sleeve must be installed level for proper drainage of condensation. Check that installation is level and make any necessary adjustments.
ICE OR FROST FORMS ON INDOOR COIL <ul style="list-style-type: none"> Low outdoor temperature Dirty filters 	<ul style="list-style-type: none"> When outdoor temperature is approximately 55 F or below, frost may form on the indoor coil when unit is in Cooling mode. Switch unit to FAN operation until ice or frost melts. Remove and clean filters.

NOTES:

- If circuit breaker is tripped or fuse is blown more than once, contact a qualified electrician.
- If unit is installed where condensation drainage could drip in an undesirable location, an accessory drain kit should be installed and connected to drain system.

ACCESSORIES

ACCESSORY	FORM NUMBER	PART NUMBER	DESCRIPTION
Wall Sleeves	52S-48SI	42-SLEEVE-1PK	Non-Insulated Plastic Wall Sleeve, 1 per pack
		42-INSUL-1PK	Insulated Plastic Wall Sleeve, 1 per pack
	52S-50SI	42-STEEL-1PK	Insulated Metal Wall Sleeve, 1 per pack
	52S-49SI*	42-EXT24-1PK	Extended Metal Wall Sleeve for Deep Wall Applications (24 in. deep), 1 per pack
	52C,P-20SI	FR-SLEEVE-EXT	Friedrich wall sleeve extension to retrofit PTAC unit into Friedrich 11 1/2-in. deep (T Series) wall sleeve. 1 per pack
Exterior Grilles†	52S-59SI	GRILLE-ALU-STAMP	Stamped Aluminum Exterior Grille, Clear Finish
	52S-58SI	GRILLE-PLA-BROWN	Plastic Architectural Rear Grille, Brown
		GRILLE-PLA-BEIGE	Plastic Architectural Rear Grille, Beige
		GRILLE-PLA-ALPIN	Plastic Architectural Rear Grille, Alpine
	52S-60SI	GRILLE-ALU-CLEAR	Aluminum Architectural Exterior Grille, Clear Finish
		GRILLE-ALU-WHITE	Aluminum Architectural Exterior Grille, White
		GRILLE-ALU-BRONZ	Aluminum Architectural Exterior Grille, Light Bronze
		GRILLE-ALU-MBRNZ	Aluminum Architectural Exterior Grille, Medium Bronze
		GRILLE-ALU-BROWN	Aluminum Architectural Exterior Grille, Brown (Dark Bronze)
		GRILLE-ALU-BEIGE	Aluminum Architectural Exterior Grille, Beige
		GRILLE-ALU-ALPIN	Aluminum Architectural Exterior Grille, Alpine
		GRILLE-ALU-PEACH	Aluminum Architectural Exterior Grille, Peach
		GRILLE-ALU-MELON	Aluminum Architectural Exterior Grille, Melon
		GRILLE-ALU-LGREY	Aluminum Architectural Exterior Grille, Light Grey
		GRILLE-ALU-SGREY	Aluminum Architectural Exterior Grille, Slate Gray
		GRILLE-ALU-RDBRK	Aluminum Architectural Exterior Grille, Red Brick
		GRILLE-ALU-BLUE	Aluminum Architectural Exterior Grille, Blue
		GRILLE-ALU-GREEN	Aluminum Architectural Exterior Grille, Green
Subbase	52C,P-1SI	SUBBASE-NON-ELEC	Non-electrical Subbase
	N/A	LEVELING-LEGS	Adjustable leveling legs for leveling and support when a subbase is not used.
	52C,P-2SI	SUBBASE-230V-15A	Electrical subbase with factory-installed 208/230 V, 15 amp receptacle
		SUBBASE-230V-20A	Electrical subbase with factory-installed 208/230 V, 20 amp receptacle
		SUBBASE-230V-30A	Electrical subbase with factory-installed 208/230 V, 30 amp receptacle
		SUBBASE-265V-15A	Electrical subbase with factory-installed 265 V, 15 amp receptacle
		SUBBASE-265V-20A	Electrical subbase with factory-installed 265 V, 20 amp receptacle
		SUBBASE-265V-30A	Electrical subbase with factory-installed 265 V, 30 amp receptacle
Subbase Field-Installed Kits	52C,P-3SI	SUBBASE-HARDWIRE	Electrical subbase with factory-installed hardwire kit (230/208 V and 265 V)
	52C,P-4SI	SUBBASE-SWITCH	Field-Installable Switch kit for an electrical subbase
	52C,P-5SI	SUBBASE-FUSE-15A	Field-Installed Fuse Kit (15 amp) for electrical subbase
		SUBBASE-FUSE-20A	Field-Installed Fuse Kit (20 amp) for electrical subbase
		SUBBASE-FUSE-30A	Field-Installed Fuse Kit (30 amp) for electrical subbase
Electrical Connections	52C,P-11SI	HARDWIRE-KIT-1PK	Permanent power connection to the unit (includes 36 in. of flexible conduit and Molex connector for easy connect/disconnect, 230/208 V and 265 V) 1 per pack
	52C,P-19SI	CONDUIT-INTF-4PK	Interface kit for field-supplied conduit includes Molex connector for easy connect/disconnect. 4 per pack
Condensate Drain Kit	52S-53SI	DRAIN-KIT-4PK	Attaches to wall sleeve for controlled internal or external disposal of condensate 4 per pack
Wall Thermostats	N/A	TSTATBBBAC01-B	Builder's Model Electronic Thermostat w/Digital display (Heat/Cool Models)
		TSTATBBBHP01-B	Builder's Model Electronic Thermostat w/Digital display (Heat Pump Models)
		TSTATBBPAC01-B	7-Day Programmable Electronic Thermostat (Heat/Cool Models)
		TSTATBBPHP01-B	7-Day Programmable Electronic Thermostat (Heat Pump Models)
Wall Thermostat Interface Retrofit Kit	52C,P-7SI	RC-FIELDKIT230HC	Field-installed wall thermostat retrofit kit to convert a standard 230 V Heat/Cool unit to an RC unit. Wall thermostat sold separately (can be used to convert a cool only unit to RC).
		RC-FIELDKIT230HP	Field-installed wall thermostat retrofit kit to convert a standard 230 V Heat Pump unit to an RC unit. Wall thermostat sold separately.
		RC-FIELDKIT265HC	Field-installed wall thermostat retrofit kit to convert a standard 265 V Heat/Cool unit to an RC unit. Wall thermostat sold separately (can be used to convert a cool only unit to RC).
		RC-FIELDKIT265HP	Field-installed wall thermostat retrofit kit to convert a standard 265 V Heat Pump unit to a RC unit. Wall thermostat sold separately.
	N/A	TSTAT-COVER-6X7	Clear plastic locking thermostat cover prevents unauthorized access to thermostat. Cover for use with non-programmable and electro-mechanical thermostats. Outside dimensions: 6 1/2 in. x 7 1/2 in. x 2 15/16 in. 1 per pack.
		TSTAT-COVER-7X10	Clear plastic locking thermostat cover prevents unauthorized access to thermostat. Cover for use with programmable thermostats. Outside dimensions: 7 1/4 in. x 9 3/4 in. x 3 9/8 in. 1 per pack
Replacement Filters	N/A	84-FILTER-10PK	Replacement air filters in package of 10
Energy Management	52C,P-10SI	EM-KIT	Allows unit to be turned on and off from a remote location (includes freeze guard protection)
Locking Security Control Door	52C,P-13SI	84-SECURITY-DOOR	Key-locking security door to prevent access to heating and cooling controls
Lateral Duct Kit	52C,P-14SI	84-LATERAL-DUCT	Ductwork to allow one unit to heat and cool two rooms (plenum plus extension duct and registers)
Power Fresh Air Vent	N/A	PWR-VENT-DOOR230	Power vent with automatic door that opens and closes when the fan turns on and off. (208/230 V)
	N/A	PWR-VENT-DOOR265	Power vent with automatic door that opens and closes when the fan turns on and off. (265 V)
Air/Curtain Deflector	52C,P-9SI	DEFLECTOR-1PK	Lateral air deflector, with individually adjustable louvers, to enhance air circulation, 1 per pack
	N/A	84-CURTDLF-1PK	Curtain deflector — prevents curtains from blowing into discharge airstream. 1 per pack
Touch-Up Paint	N/A	OEM-TOUCH-UP	Touch up paint for repainting scratches or chips.

*Extended metal wall sleeve also available in 26 in. and 28 in. depth.

†Custom colors are also available.

84 Series Packaged Terminal Air Conditioner Warranty

FULL ONE-YEAR WARRANTY — During the first year after purchase, CAC/BDP will, through its authorized independent servicing dealers or service stations*, and free of charge to the user or subsequent users, repair or replace any parts which are defective in material or workmanship. The replacement part can be a new or remanufactured part as provided at CAC/BDP's sole option.

FULL EXTENDED FOUR-YEAR WARRANTY ON SEALED REFRIGERATION SYSTEM ONLY — During the second through fifth years after date of original purchase, CAC/BDP will, through its authorized servicing dealers and service stations* and free of charge to the end user or subsequent users, repair or replace the compressor, condenser, evaporator or connecting tubing if defective in material or workmanship. This includes system refrigeration charge. The replacement part can be new or a remanufactured part as provided at CAC/BDP's sole option.

LIMITED EXTENDED FOUR-YEAR WARRANTY ON NON-SEALED REFRIGERATION SYSTEM ONLY — During the second through fifth years after date of original purchase, CAC/BDP will, through its authorized servicing dealers and service stations and free of charge to the end user or subsequent users, repair or replace any non-sealed system part (motor, solenoid, thermistor, thermostat, relays, switch, capacitor, overload, drain valve, bulb heater, fan, stator) if defective in material or workmanship. The replacement part can be new or a remanufactured part at CAC/BDP's sole option. **THIS LIMITED WARRANTY DOES NOT INCLUDE LABOR**, user is responsible for labor, including cost of diagnosis of problem, removal and transportation of the air conditioner to and from the service center, and reinstallation charges necessary to accomplish repair.

LIMITATION OF WARRANTIES — ALL IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY) ARE HEREBY LIMITED IN DURATION TO THE PERIOD FOR WHICH EACH LIMITED WARRANTY IS GIVEN AND APPLIES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THE EXPRESSED WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON WHATSOEVER.

ALL WORK UNDER THE TERMS OF THIS WARRANTY SHALL BE PERFORMED DURING NORMAL WORKING HOURS. ALL REPLACEMENT PARTS, WHETHER NEW OR REMANUFACTURED, ASSUME AS THEIR WARRANTY PERIOD ONLY THE REMAINING TIME PERIOD OF THIS WARRANTY.

*Authorized independent dealers or service stations are registered with CAC/BDP Air Conditioning through its distributor organization. Please call toll-free 1-877-875-3362 for a local dealer.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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CAC/BDP WILL NOT BE RESPONSIBLE FOR:

1. **CLEANING REQUIRED PRIOR TO WARRANTY REPAIR.**
2. Standard maintenance, cleaning or damage resulting from failure to perform normal maintenance as outlined in the owner's manual.
3. Instruction on methods of control and use of air conditioning unit after initial installation.
4. Damage or repairs needed as a consequence of faulty installation or application. This is the responsibility of the installer.
5. Failure to start due to voltage conditions, blown fuses, open circuit breakers or any other damages due to the inadequacy or interruption of electrical services.
6. Damage or repairs needed as a consequence of any misapplication, abuse, unauthorized alteration, improper servicing or operation.
7. Damage as a result of floods, winds, fires, lightning, accidents, corrosive environment, or other conditions beyond the control of CAC/BDP.
EXCEPTION TO CORROSIVE ENVIRONMENT IN ABOVE PARAGRAPH — Packaged terminal units (84 Series) built with corrosion protection are exempt from the exclusion — "Corrosive Environment." The unit model number is identified on the nameplate with a CP or RP suffix.
8. Reimbursement for replacement parts or repair services which are not supplied or designated by CAC/BDP and which are specifically covered under this warranty.
9. CAC/BDP products installed outside the continental U.S.A., Alaska, Hawaii and Canada.
10. Shipping damage or damage as a result of transporting the unit. This is the responsibility of the selling dealer or the authorized Room Air Conditioner service station.
11. **ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
12. Warranty coverage of accessory items (wall thermostats, wall sleeves, etc.).

NOTE: Service and Maintenance items excluded in this warranty may be covered by a separate service agreement through the seller at time of purchase.