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Book Descriptions:

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Instructions Follow Wear safety Form Cancels. Use quenching Recognize safety information. This is the safety alert Understand These Printed in U.S.A. Refer to the individual. Have fire extinguisher Read. Electrical. Code Catalog No. There may be more than 1 disconnect Electrical shock can cause personal injury or death. These units are designed specifically for Puron R410A and must be used only with Puron air conditioners and heat These units are designed to meet the low air leak requirements currently in effect. Because of this, the units need special attention in the condensate These units are available for application in systems of 24,000 through 60,000 Btu/h nominal cooling capacities. Factory authorized, See Product Data for available accessory kits. Inspect File claim Check Locate When unit is installed Allow When installing any fan coil over a finished FV4B Fan Coils can be installed for upflow and horizontal left Units may be converted for downflow Upflow. Only Modular All return. Set unit To reassemble. Horizontal Gasket Conversion Slope Coils Be certain Make Horizontal Right Installations Be sure installation To disassemble Do not remove The FV4B Fan coil in size 006 is a 2-piece modular unit. Modular Installation Install Coil Unit in Upflow Application To convert Right. Conversion With. Unit. Assembly. A Coil A coil Coil in Horizontal Left. Application Coil in Horizontal Right Application Downflow Make Application Be sure coil bracket Step 10 in the right side of the coil door making Be sure to reinstall Installations. CAUTION The conversion of the fan coil to downflow requires special procedures for the condensate drains on both. A coil and Slope units. The vertical drains have an overflow hole between the primary and secondary drain holes. This hole During the conversion process, remove the Remove the plug from the overflow hole and discard. At completion In this application, Manufactured Home Instructions. Housing Use fireproof For slope Applications For A fan coils use kit Part No. Angle. Typical. Attach Duct Fig. <http://colorfulu.com/userfiles/file/202008281447211715.xml>

- **carrier fan coil unit manual, carrier fan coil unit installation manual, 1.0, carrier fan coil unit manual, carrier fan coil unit installation manual.**

7 A Coil Secure duct to flange with proper When using FV4B units with 20, 24, and 30kw electric heaters, maintain a 1 in. clearance Use flexible Ductwork. Acoustical. Treatment Ductwork. When As an alternative, Both acoustical lining and fibrous Line Voltage Fire Protection Association. Standards If unit contains Before. Turn If a disconnect Instructions. Check Connections For units without electric heat Service Electrical Electrical There Be sure that electrical service provided by the utility is sufficient See unit wiring label The unit must have a separate branch electric circuit with a field supplied System. Connections Left Application Board Ready Use No. 18 AWG color coded, Connect Intelligent Heat Staging Staging, remove Jumper J2 on PCB to enable staging. Class Transformer When electric For 208v Heat Staging. Housing Ground In manufactured Title 24, Chapter XX, Part 3280.714 requires that supplemental A corporate thermostat Do not use outdoor. Manufactured The secondary Control, or capable zoning control and any 1 of the Heat staging of the electric heat package is possible when the FV4B is installed Thermostat TM. Complete Option. Intelligent Relay heaters. When If a non corporate Connections The ground may consist of electrical wire or metal If conduit Use of dual or multiple supply circuits will require grounding Do not use damaged, When tubing package is used and sweat connections Always evacuate Fan Coil Wiring Units Cut tubing Fan Coil Make. Wiring Failure Air Conditioner Consult local code requirements. Do not use solder Fan Coil Wiring Wrap Fan Coil Wiring Failure Connections A coil and Slope units. At completion Units To prevent property damage and achieve optimum drainage performance, It is recommended For proper BOTH primary and secondary Be sure to install plastic

push in plugs in fingertighten. CAUTION Shallow running traps are inadequate and DO NOT allow proper condensate drainage. See Fig.

15. <http://drfrancoisbourdeau.com/upload/editor/bose-cinamate-installation-manual.xml>

FailurePrimeAny condensateAs an alternative to using an external condensateTheInstallCondensateConsultCAUTION Never operate unit without a filter or with filter access door removed. Damage to blower motor or coil canFactory authorized filters must be used when locating the filter inside the unit. See TableSelectTheThe FV4B Fan Coil must be configuredTo successIMlyThis airflow must be greaterFor increasedCFM Ibr electric heaterCondensateCondensateTrapTrap and UnitCFM. NoteIn heat pump heating mode when electric heaters are energized,The factory selection is the largest heater range approved.The factory setting for air conditionerInstallerThis appliesKitsPrintedCircuit. Board. AC or HPPumpComfortCFM per ton. The fiactory settingHP efficiency;Medium. Low,Airflow. To provide airflow at rates described above, the ACHP. ADJUST select is factory set to the nominal nom tap. The adjust selections HiiLO willHI providesSelectionThe standardFour motorThis profile will minimizeSEe2LowVoltage. The lowvoltageCircuitBasic. Fan Coil. The followingThe followingSEC2 and the R circuit.The CARI ratedHI speed. Reference. The FV4B Fan Coil providesArrangement. ConfigurationWiringFig. 21 for Quick. GuideThis configurationJ1 to activateThemfidistatSuperComfortiPerfect. This configurationHeatStagingJ2 whenJ2. See Fig. 17.Heat operation.StagingElectric. ElectricAuxiliaryFan. Coil perSee unitThis reducesTerminals. The AUX and HUM terminalsBoard are tied directlyPerfect Heat modes, the G signal is not present and the auxiliaryIf the installationSee. Electronic. Air Cleaner and HumidifierAir Cleaner. The AUX1 and AUX2 terminalsConnectionsSensor Part No. KEAAC0101AAA. The airflow sensor turns on electronic air cleaner when the fan coil blowerEasy Select Board terminals HUM1 and HUM2 are provided for direct connectionWhen using a. Thermidistat TM Control, Zone Perfect Phts or Comfort Zone II, the 24vae signal may be sourced directly from the Themfidistat. HUM terminal.

Latent capacitiesCapabilityStandard. Humidistat. Wiring. ConnectionThe FV4B Fan Coil will detect the humidistatThis reduction willWhen the contacts close,To activateJnmp. J1 and wire in a standardDehumidify. WiringMode. Capabilities. This model fan coil is capable of respondingMode. Consult literature provided with indoor system control to determineNo specialTable 2 outlines the CFM range for the different FV4B Fan Coil sizes.ThermostatThe blowerCoolingMode. If indoor temperatureThe Pan coil delivers. Cooling. ModeDehumidifyOperationConsultR to G, R to YY2The Pan coil delivers. ModeDehumidifyItindoorCoolingPan airflow.R to G.FanFig. 22 for QuickReferenceGuideSuper DehumidifySuperIf the indoor temperatureThe ECM motor reads the G signal to the Pan coil while the heat pump is operating,If circuit R to G is closed 24 vac, the motor will deliver airflow at the full cooling or coolingIf circuit R to G is open 0 vac for super dehumidifyThermostat. The Pan coil deliversHeat HeatingHeat Pump. The Pan coil deliversHeat Pump. Thermostat. R to WW1,Heating. ThermostatModeR to G and R to YY2.HeatingModeAuxiliary. R to G, R to YY2ElectricHeat. R to YI with R to WWIIn the event that electric heating is called for by the thermostat while the heat pump is also operatingThat airflow is the greater of the heat pump heating airflow and the electric heater only airflow.Disconnect. Wait at least 5 min after disconnectingFailureDeliveryModeApplication. SingleSpeed. Application. Nominal. AiC. CoolingAiC. DehmndityAiC. Dehumidity. DehumidityTable 4FV4BAApplication. High SpeedEfficiencySingleSpeed. Heat PmnpHeat Pmnp. Colntort. Heat Pump. Efficiency. Heat Pmnp. EfficiencyThe ECM motor used with this product contains two parts the control module and motor winding section. Do not assume the motor or moduleGo through the steps described below before replacingHeater. ApplicationIf motorMotorTurn off powerSelect Board.If no voltageBe sure plugs are fully seated.Fig.

21ControlSignalsThe motorExample.. Fig. 20. See Table 7 for circuit board, lowvoltageSee TableUse followingSelect. BoardPlugSelect. The combinationsEasy Select. BoardIf motorShut off powerIf

motorIf signals check correctly and motorIf proper signals are not present,IfIf properRG, RY Y2, RY1, RWL.Easy Select. Board.If presentEasySelect board.SystemSelect Board,HarnessThe correctConnectionsDescriptionWire Color. Pin 9 on PL1. Brown. CommonVioletPin 10 on PL1. OrangeACiHP Size Selection. White. Blue. Pin 3 on PL1. BlackSelection. Low Speed AC or HPSelection. BlackNiA. Not UsedOrangeAux Heat Size. Selection. Pin 12 on PL1. Aux Heat Size. SelectionHP. High SpeedFanScrew Terminal. GrayViolet. Pin 8 on PL1. RedPin 4 on PL1. Pin 2 on PL1. Yellow. Pin 1 on PL1. Green. NiA. Not Used. Check voItages with 16Pin Plug disconnected from motor. These signals will start motorTheseTo check Easy.

SelectTableBeforeMotorHaruessWindingBoard.Select BoardSelect BoardSelect BoardWith controlConnection. SectionThe correctIf motor. If signalBoardPlaceThe only required maintenanceDisconnectThe mininmm maintenanceThe disconnectInstead. DisconnectClean as necessary. An inspection port is providedRemove plastic plug to inspect.A. AUX HEAT Set for heater size Ex 010 for 10 kwJumper J2. except when using 5. 8, or 10kw heater.For coo! to dehumidifyConsultFan Coil Service. InstructionsManualHeatingTemperaturesWARNING As with any mechanical equipment,Super. CleanHumidity. ControlSetwiceUsing the Owners User Manual furnished in outdoor unit, the installing technician should explain system operation to the consumer with particularPuronRecovery. PuronUse a commercial. Manifold. LeakDo not use an R22HFC refrigerant.TXV, it must be changedDo not use capillary. ObserveDo not exposeDo not vent PuronWhen. Be sure that servicingNeverWrap. If indoorPOE oils may cause. A liquidlinePOE oils absorbDo not use liquidline. Do not installVacuumPuron,Use hosesNo. 63FV4B1File Type Extension pdf. PDF Version 1.2.

Linearized No. Page Count 24. Page Layout SinglePage. Page Mode UseNone. Producer Goby Monitor Application version 3, 2, 1, 4. Create Date Fri Apr 20 151815 2007. Author. Title. Subject. Use quenching cloth for brazing opelat ions Have fire extinguisher available. Read these instructions thoroughly aod follow all warnings or cautions attached 1o the unit.There may be more than t disconnect switch. Turn off accessory heater power if applicable. Electrical shock can cause personal injury or death.The vertical drains have an overflow hole between the primary and secondary drain holes. This hole is plugged for all applications except downflow, but must be used for downflow. During the conversion process, remove the plastic cap covering the vertical drains only and discard. Remove the plug from the overflow hote and discard. At completion of the downflow installation, caulk around the vertical pan fitting to door joint to retain the low air leak performance of the unit. Failure to follow this CAUTION could result in minor personal injury or product and property damage.Remove insulation knockouts on right side of coil access panel 12.This relay is in kit Part No. KNAOTO20tSEC and is normally used with kit Part No. KHAOT030t FST for 2 outdoor thermostat system. Failure to follow this CAUTION could result in minor personal injury or product and property damage, 7 Failure to follow this warning could result in electric shock, fire, or death. NOTE Use Ullisted conduit and conduit connector for connecng supply wires to unit to obtain proper grounding.Units have sweat suction and bquid tube connections. Failure to follow this CAUTION could result in minor personal injury or product and property damage. 4. Evacuate coil and tubing system 1o 500 microns using deep vacuum me,bed. The vertical drains have an overflow hole between the primary and secondary drain holes.

At completion of the downflow installation, caulk around the vertical pan fitting to door joint to retain the low air leak performance of the unit. Failure to follow this CAUTION could result in minor personal injury or product and property damage. To connect draths the cap openings must be removed Use a knife to start the opening near the tab and using pliers, poll the tab lo remove the disk.Failure to follow this CAUTtON could result in minor personal injury or product and property damage. Page. Dimensions and weights.Water connections.Electrical connections. Wiring diagram.Maintenance.Models. ModelsPower supplyModelsMod.The use of other eletricFailure to follow thisSupply voltage ph. Max. power inputPower supply cablesRecommended fuse Type gLTable

IV. Material supplied. Description. Q.ty. Installation instructions. Fresh air intake baffle Unit installation. Air renewal. Table V Operating limits. Water circuit. Water side maximum pressure Room air. Power supply. Nominal single phase voltage. Operating voltage limits. Nominal three phase voltage. Operating voltage limits Table VI Accessories. Description Primary air. Air disch. closing. Active carbon filter. Electrostatic filter. Drain pan Water discharge pump. Control. Control CRC. Auxiliary board Unit installation. Choosing the installation site. Read this instruction manual thoroughly before starting Positions to avoid. In particular ensure that a properly sized and connected ground Also ensure that national safety code requirements have been Recommendations Failure to observe the installation instructions, or use of the Do not install or use damaged units. MAX 3 m. MAX 3 m Nonlevel installation which will cause condensate dripping. MAX. 200 mm These may only be used near the unit with a maximum height Max. 2 louvres closed.

Heating louvre position for Cooling louvre position for Warning To close one or two air outlets use the special kit If plaster board ceiling panels are installed the maximum In rooms with high humidity, brackets should be insulated by self Installation Prior to installation. Mark the position of the hangers, connection lines and condensate Depending on the type of It is advisable to place the unit as close as possible to the installation site The grille panel and the control Unit installation will be facilitated using a stacker. Wooden frame. Threaded hangers. Washers. Nut. Washer. Once the threaded hangers have been positioned, do not tighten Threaded hangers Suspension brackets. Carefully lift the unit without the frame using the four Furthermore an False ceiling. Spirit level. Align and level the unit by adjusting the nuts and locknuts on After connection of the condensate drain line and the refrigerant A float valve is recommended to stop the flow switch if there is Frame prehooking support. Safety belt. Frame fixing screw Carefully unpack the assembly and check for damage sustained in Use the screws supplied to fix the frame in position. Ensure that the frame is not distorted by excessive tightening, On completion, the gap between the unit frame and the false Water connections. Water connections are fixed to the unit body to avoid damage It is necessary, when the installation is made, to insulate the The upper coil connection is supplied with an air purge valve, Checking. Models. Connections. Connections Water inlet. Water outlet. Air purge valve. Water purge valve Otherwise check the pipe slope and look for possible Instructions for mounting of motorized When it asks for heating, terminal 2 of TB3 hot water or For this operation follow figures, depending on model. Control. The Assembly. For models 42GWD 4 pipe, the valve assembly for the Sizes 004 008 010 Motorized thermoelectric valve assembly and components Oring. Coil coupling. Sizes 012 016 020. Adaptor. Oring.

Fit the reducers and Orings Water inlet. Mod. 42GW. Ref. Description G Cable holder Water outlet Any system losses are therefore due to an incorrect Electric connections Automatic operation position. Thermoelectric valve Valve body. ONOFF valves 230V ONOFF valves with other voltages than 230V Operation of the thermoelectric valve This valve is driven, as a sensible element, by the ambient When the room temperature does not satisfy the thermostat, When the emergency ends, remember to reset the valve to H Heating valve or heating valve relay. C Cooling valve or cooling valve relay Control connection. Instructions for field supplied valves. Water connection Electrical wiring Heat. Cool He declines any responsibility Electrical connections. We recommend to remove the main board from the electric STANDARD version unit Control panel Capacitor. Ground connection screw. Relay board EHTR only on Holes for panel fixing screws. Auxiliary board accessory. A. Electric heater supply connection B. Unit power supply connection C. Polarised connector The control panel can be reached by opening the grille and Ensure that the mains supply connection is made through a IMPORTANT for units with electric heaters. The unit is equipped with two thermostats one with automatic Connect the power cables to terminal box connectors in Wiring diagram legend. Factory wiring. Low speed. Field wiring. Medium speed. Connector. High speed. Terminal on terminals. Power supply line. Normally closed contact. Heating selection. Normally open contact. Common thermostat heating. Cooling selection. Common thermostat cooling. Neutral fan. Neutral

in. Capacitor Cables colour Neutral Neutral out Neutral Heating out. Warning Cooling out. Any warranty is declined in case of Note The connection sequence does not Timer. Terminal board Clip Insulated flexible duct. Fresh air intake. Conditioned air supply to an Polystyrene partition. Baffle. Frame. Air intake grille. Wall. Undercut door. Wall fitted grille.

Door fitted grille Conduits can be of flexible polyester with spiral core or Air distribution to adjacent room With a pencil, trace a line on the polystyrene around the inside Cut away the polystyrene with a knife, taking care not to damage If these instructions are not observed, condensate may drip; Fresh air intake Remove the polystyrene partition. Introduce the baffle supplied after the frame has been hooked as Conditioned air supply to an adjacent room Fan motor operation is parallel to the thermoelectric control The kit cannot be used in units equipped with electric Filter installation also makes the installation of a duct closing An air inlet grille must be fitted if possible near the floor Diagram of conditioned air supply to an Winter operation diagram with Available static pressure Pa Antifreeze thermostat. Speed controller. Fresh air fan motor. Relay 230V. Supply air duct to adjacent room. In case of two louvres closed, the fresh air flow towards the Maintenance. Additional maintenance. Cleaning and maintenance operations must be carried out by Before performing any service or maintenance operations, The inspection or replacement of internal components such as To open the unit grille. Condensate drain pan removal Filter cleaning. Clean filters in accordance with the actual operating Electrostatic and active carbon filters which can be used on Extract the filter. Guide for the owner. When installation and tests are completed instruct the Owner on the Acrylic fibre. First vacuum clean the filter, then wash under tap water and Replace the filter in the correct position. Prolonged shutdown Order No. 1420774M10, April 2005. Supersedes Order No. 1420774M10, December 2004. Printed in Italy. Carrier Infinity System Control Installation Instructions. NOTE Read the entire instruction manual before starting the installation.

NOTE Please refer to the literature provided with the connected HVAC equipment The features and functions outlined in the Installation Instructions reflect Version 1 US Patents Carrier U.S. Pat No. 7,243,004, Carrier U.S. Pat No. 7,775,452, NOTE See the Owner's Manual for information regarding software upgrades. Improper installation, adjustment, alteration, service, maintenance, or use can cause Consult a qualified installer, service agency or The qualified installer or Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Have a fire extinguisher available. Read these instructions thoroughly and follow NFPA 70. In Canada, refer to the current editions of the Canadian Electrical Code When you see this symbol Understand the These words are used with DANGER identifies the most serious hazards, which will WARNING signifies hazards, which could CAUTION is used to identify unsafe practices, The Infinity R System consists of several intelligent communicating components Package units which continually communicate with each other via a four wire Commands, operating conditions, and other data The result is a All Infinity System furnaces or fan coils are variable speed and multi stage for They support controlled ventilation, Either an Infinity System When using conventional single stage outdoor units, the Infinity System furnace or Also, the NIM allows connection of a Carrier HRV or ERV without the need for separate wall control. When using a Carrier HRV or ERV with a zoned system, the Infinity System Zone All system components are controlled through the wall mounted Infinity System. Control, which replaces the conventional thermostat and provides the homeowner NOTE See Section 4 for installation instructions. The time and date can either be set manually or can be synchronized with the web From the main screen, touch MENU, on the To set the HOUR, MINUTE, MONTH, DAY, or YEAR touch the feature Use the Up Y and Down B buttons to make the appropriate changes.

When you have completed all of the settings touch SAVE. The time zone can be selected by selecting the set time zone from the menu. Then Time zones for both US and Canada are After setting up the time zone, the time synchronization can then be done, after Both setting the time zone and enabling time From the main screen, touch MENU, on the bottom of the control, then Down B The SERVICE

icon allows you to See Section 6.7 for more information.