



Toshiba RBC-AIP1 Installation Manual

Leak detection panel

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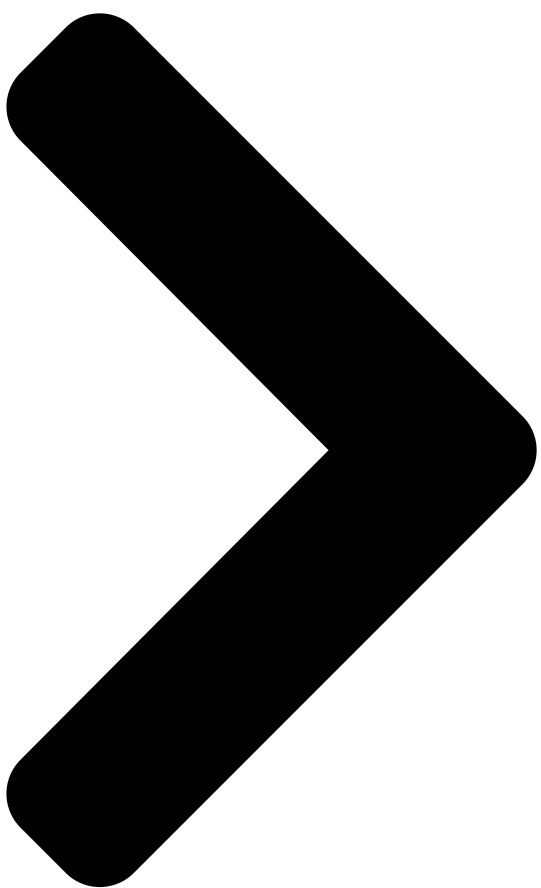
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RBCAIP1

Leak Detection Panel

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(2 pages)

Summary of Contents for Toshiba RBC-AIP1

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[Page 3](#) Toshiba Carrier Corporation or, alternatively, he or she has been instructed in such matters by an individual or individuals who have been trained and is thus thoroughly acquainted with the knowledge related to this work.

[Page 4](#) Work undertaken Protective gear worn Protective gloves All types of work 'Safety' working clothing Electrical-related Gloves to provide protection for electricians and from heat Insulating shoes work Clothing to provide protection from electric shock Work done at heights Helmets for use in industry (50 cm or more) Transportation of Shoes with additional protective toe cap...

[Page 5: Precautions For Safety](#)

□ If using separately sold products, make sure to use Toshiba specified products only. Using unspecified products may cause fire, electric shock, water leak or other failure.

[Page 6](#) Refrigerant Piping Install the refrigerant pipe securely during the installation work before operating the air conditioner. If the compressor is operated with □ the valve open and without refrigerant pipe, the compressor sucks air and the refrigeration cycles is over pressurized, which may cause an injury.

[Page 7](#) Relocation Only a qualified installer (*1) or qualified service person (*1) is allowed to relocate the air conditioner. It is dangerous for the air □ conditioner to be relocated by an

unqualified individual since a fire, electric shocks, injury, water leakage, noise and/or vibration may result.

[Page 8: Installation Of New Refrigerant Air Conditioner](#)

Installation of New Refrigerant Air Conditioner This air conditioner adopts the new HFC refrigerant (R410A) which does not deplete the ozone layer. □ R410A refrigerant is vulnerable to impurities such as water, oxidizing membranes, or oils because the pressure of R410A refrigerant is higher than that of the former refrigerant by approximately 1.6 times.

[Page 9: Selection Of Installation Place](#)

Selection of Installation Place Upon customer's approval, install the air conditioning apparatus in a place which satisfies the following conditions: □ Place where it can be installed horizontally. □ Place which can reserve a sufficient service space for safe maintenance or checks. Place where there is no problem even if the drained water overflows.

[Page 10](#) WARNING □ If the refrigerant gas leaks during installation, ventilate the room. If the leaked refrigerant gas comes into contact with fire, noxious gas may be generated. □ After installation, check that the refrigerant gas does not leak. If the refrigerant gas leaks into the room and comes into contact with fire such as a fan heater, stove, or kitchen range, noxious gas □...

[Page 11](#) Warnings on Refrigerant Leakage Check of Concentration Limit The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its concentration will not exceed a set limit. The refrigerant R410A which is used in the air conditioner is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws to be imposed which protect the ozone layer.

[Page 12](#) IMPORTANT 2. When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15 % or larger than the respective floor spaces at the top or bottom of the door). 3.

[Page 13: Electric Wiring](#)

Electric wiring WARNING The appliance shall be installed in accordance with national wiring regulations. Capacity shortages of the power circuit or an incomplete installation may cause an electric shock or fire. CAUTION □ Perform wiring of power supply complying with the rules and regulations of the local electric company. □...

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Installation Examples [14]...

[Page 15: Control Schematic](#)

Control Schematic [15]...

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Specification LEAK DETECTION PANEL RBC-RD6 RBC-RD6-DI RBC-RD7 LEAK DETECTION PANEL LEAK DETECTION REPEATER PANEL RBC-RP1 (MULTI-ROOM INDICATION) REFRIGERANT LEAK DETECTOR LEAK DETECTION ROOM INDICATOR RBC-RI1 PRODUCTS RAV-DI/SDI VRF - RAV DI/SDI VRF - RAV DI/SDI VRF - RAV DI/SDI Standard Rating (IP) Enclosure Metal...

[Page 17](#) Specification RBC-AIP3 RBC-AIP3C RBC-AIP1 RBC-AIP2 RBC-RD3 RBC-RCS1 RBC-RCS2 RBC-AIP4 ALL COMMON HFC's ALL COMMON HFC's ALL COMMON HFC's VRF - RAV DI/SDI VRF - RAV DI/SDI VRF - RAV DI/SDI VRF - RAV DI/SDI VRF - RAV DI/SDI Surface Mounted...

[Page 18: Rbc-Aip1 Leak Detection Panel](#)

The RBC-AIP1 Indicator panel is designed to work in conjunction with the RBC-RP1 (Repeater panel). When the Toshiba RBC-RD6 (Refrigerant Pump down panel) is activated the RBC-RP1 initiates the RBC-AIP1 panel to indicate a remote fault/alarm condition at a supervisory level and provides an output to the Windows Interactive Intelligence software package.

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