



# TOSHIBA

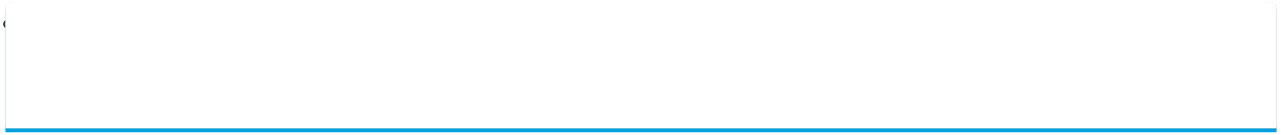
## Toshiba RBC AIP4 Installation Manual

Leak detection panel



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Installation Manual

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RBCAIP4

Leak Detection Panel

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Mini touch screen controller with 7-day scheduler (24 pages)

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Air conditioner control panel (2 pages)

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Extended panel (7 pages)

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## Summary of Contents for Toshiba RBC AIP4

[Page 1](#) TCUK-RMv1\_2014\_RBCAIP4 Installation Manual Refrigerant Monitoring RBCAIP4 Leak Detection Panel...

### [Page 2: Table Of Contents](#)

Original instruction ADOPTION OF NEW REFRIGERANT This Air Conditioner uses R410A an environmentally friendly refrigerant. Contents Precautions for safety .....5 Installation of new refrigerant air conditioner .....8 Selection of installation place .....9 Refrigerant piping .....9 Electric wiring ..... 13 Installation Examples .....

[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. □...

### [Page 14: Installation Examples](#)

Installation Examples [14]...

### [Page 15: Control Schematic](#)

Control Schematic [15]...

### [Page 16: Specifications](#)

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 Surface Mounted Recessed Recessed Plastic...

### [Page 18: Rbc-Aip4 Remote Room Indicator](#)

RBC-AIP4 Remote Room Indicator The RBC-AIP4 remote room Indicator is designed to work in conjunction with the Toshiba RBC-AIP3 Indicator panel. In the event of the RBC-AIP3 panel activation the RBC-AIP4 remote room Indicator will signal an audible/visual alarm. Part Name...

[Page 19](#) Details of Operation and Wiring 2 4 V ( - ) □ Connect the room sensor to the RBC-AIP3 Leak Detection Panel using 3 core a 0.75mm cable □ Connect the RBC-AIP3 link wire terminal 7 to the (+) connection on the RBC-AIP4 remote room indicator □...

[Page 20](#) Fault Code Text Service: 07624 803 017 technical.enquiries@toshiba-ac.com Technical Department AIR CONDITIONING A division of Toshiba Carrier UK Limited Parkfield House, Manchester Old Road, Middleton, Manchester, M24 4DY www.toshiba-aircon.co.uk Tel:

44 (0) 870 843 0333 Fax: 44 (0) 161 794 4743...