TOSHIBA

INSTALLATION MANUAL

Carrier

To Personnel Charged in Installation Work and Service

Wireless remote controller kit

Model: RBC-A33C3-UL

Thank you for purchasing Wireless remote controller kit TOSHIBA Carrier packaged air conditioner.

Read this manual carefully for correct installation of the wireless remote controller kit before working on it.

After the installation is completed, execute a test run to check for normal operation and explain how to use and maintain the wireless remote controller kit to the customer according to the Owner's Manual.

Ask the customer to keep the manual with the Owner's Manual.


Accessory Parts

1. Remote controller address (A-B selection) setting
2. To stop a test operation, push TEMPORARY button once again (Approx. 1 second).

Settings for the signal receiving unit before installation

Before installing the signal receiving unit, make the following settings referring to each description:

• To install the wireless remote controller together with wired remote controller, configure the "Multiple remote controller installation".
• When ceiling height exceeds the standard height (factory default), refer to the "installing indoor unit on high ceiling" on installation manual of the indoor unit.

Install of the Signal Receiving Unit

1. Remove a screw, move the side panel toward you (attraction of arrows), and then slide it back to the side panel. (Fig. 1)

2. Loop the end of the head screw driver with vinyl tape, and forcibly insert it into the groove at the side under circle mark on the cover. (Be careful not to damage the panel.) (Fig. 2)

3. Pass the lead wire through the panel, and install the signal receiving unit to the panel hole. (Projection of the signal receiving unit is fixed by the panel holes.)

4. Fix the lead wire of the signal receiving unit to the cord clamp with the wires of the louver motor. (Fig. 3)

5. Install the side panels, with screws as original.

6. Pull the lead wire from the signal receiving unit along wiring wires of the louver motor and others, and then fix it with the cord clamp. (Fig. 4)

7. After all connections have been made, install air intake grille before doing the "TEST RUN."

Note:

• Avoid to twist cables of the sensor with the power cables, otherwise a malfunction is caused.

• For calibrating and TEST RUN, refer to "Wiring" of these sheets and "TEST RUN" of the Installation manual attached to the indoor unit.

Wiring

<Wiring diagram>

 Conexion: Connect the signal receiving unit to the terminal block for remote controller wiring of the indoor unit. (They do not have polarity.)

<Connection>

Connect the wires out of the signal receiving unit to the terminal block for remote controller wiring of the indoor unit. (Fig. 5)

Remote controller address (A-B selection) setting

When two or more signal receiving units are installed in a room, a unique address can be set for each signal receiving unit to prevent interference.

• Address (A-B selection) must be changed on both signal receiving unit and wireless remote controller.

For the details of address change (A-B selection) on wireless remote controller, refer to the Owner's Manual.

Turn off the indoor unit power supply. Turn on the bit 4 of DIP switch SW30 on the signal receiving unit P.C. board.

The setting change is shown below.

Remote controller address (A-B selection) setting

Set the switches on the Port 3 and Port 4. (Refer to the Owner's Manual.)

Wiring diagram and port setting for remote controller wiring

Multiple remote controller installation

The control by two remote controllers is achieved by installing the wireless remote controller with the wired remote controller for an indoor unit.

(Max. 2 remote controllers of wireless or wired are installable.)

2-remote controllers" controlling means that one or multiple units are operated by the multiple remote controllers.

1. Upon confirmation of the terminal numbers of the indoor unit, connect the control wire without miswiring. (If applied AC 208/230 V, damage the unit.)

2. The multiple wireless remote controller kits cannot concurrently be used for an indoor unit.

3. When installing simultaneously the wireless remote controller with the wired remote controller, set one of them as the follower remote controller.

• To use wired remote controller or Life-union plus remote controller as a follower, settings may be changed. For the details, refer to the installation manual of each remote controller.

• To use the wireless remote controller as a follower, set bit 4 (Follower side) of DIP switch SW30 on the signal receiving unit P.C. board to ON.

2-remote controllers

The indoor unit is operated when a wireless or wired remote controller is set as header or follower remote controller.

(Total wire length: Within 131 1/2" (400 m))

Remote controlere controller kit (Header)

Wireless remote controller (Follower)

How to handle the remote controller

In case using remote controller mounting to the wall, etc.

Check a signal is received correctly by pushing button at the position to be fixed.

Remote control holder

Mounting screw 6-32 × 0.67 (M4 × 16 mm)

How to install remote controller

1. Remove the battery cover.

2. Insert new batteries (R03 [AAA]) following the (+) and (-) positions.

Self-diagnosis function and measures

< The following table shows a few examples. For details of indoor unit errors, refer to the Installation Manual of the indoor unit.>

<table>
<thead>
<tr>
<th>Error code</th>
<th>Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAUTION</td>
<td>brain connector between signal receiving unit and indoor unit.</td>
</tr>
<tr>
<td>CAUTION</td>
<td>Check connections and wiring correctly if necessary.</td>
</tr>
<tr>
<td>CAUTION</td>
<td>Brain connector between signal receiving unit and indoor unit.</td>
</tr>
<tr>
<td>CAUTION</td>
<td>Check the outdoor unit.</td>
</tr>
</tbody>
</table>

Note:

• LEDs do not light or blink even if the remote controller is configured.

• A place subject to thermal effects, humidity, and exposure to direct sunlight is avoided.

Explanation to the customer

• After the installation work has been completed, execute a test run to check for normal operation and then hand the customer the Owner's Manual and Installation Manual of the wireless remote controller kit.

• Explain how to use and maintain the wireless remote controller kit to the customer according to the Owner's Manual of the wireless remote controller kit.

<Installing indoor unit on high ceiling> on installation manual of the indoor unit.