INSTALLATION MANUAL

Carrier To Personnel Charged in Installation Work and Service Wireless remote controller kit

Model: TCB-A32U-UL

Accessory Parts

<table>
<thead>
<tr>
<th>No.</th>
<th>Part name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mounting bracket</td>
<td>1 (\times) 2 (95\text{ mm} \times 51\text{ mm})</td>
</tr>
<tr>
<td>2</td>
<td>Control wire (Locally procured)</td>
<td>2 (\times) AWG 20 (0.5 mm(^2))</td>
</tr>
<tr>
<td>3</td>
<td>Screws</td>
<td>2 (\times) M4 (\times) 16 mm</td>
</tr>
<tr>
<td>4</td>
<td>Spacer</td>
<td>4 (\times) (0.16\text{ in} \times 0.63\text{ in}(\text{M}4 \times 16\text{ mm}))</td>
</tr>
<tr>
<td>5</td>
<td>Wood screws</td>
<td>2 (\times) AWG 14 (2.0 mm(^2))</td>
</tr>
<tr>
<td>6</td>
<td>Remote controller</td>
<td>1 (Locally procured)</td>
</tr>
<tr>
<td>7</td>
<td>Remote controller holder</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Signal receiving unit</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Wiring of the Signal Receiving Unit</td>
<td>1</td>
</tr>
</tbody>
</table>

Installation Location of Signal Receiving Unit

- Do not install it in a location where the air contains oil, such as in a kitchen or bathroom.
- Do not install it next to a window, or in any other location directly exposed to sunlight and outside air.
- Do not install it near environments which can be expected to produce electrical noise, such as transmission lines, power stations, and industrial receiving machinery.
- Do not install it in an environment where there are a lot of metallic objects which may cause interference between the signal receiving unit and the fluorescent lamps, and make the signal receiving unit to fail when it receives the wireless remote controller signal when the fluorescent lamps are lit.
- Do not install in a location near a rapid-start type or inverter-type fluorescent lamp (a lamp which does not include a glow lamp), as the indoor unit may not be able to receive the wireless remote controller signal in some cases. It is recommended that a noise filter or the like be installed.

How to Install the Signal Receiving Unit

To prevent electric shocks, earth the wires in the wall and do not expose them. When installing wires on the wall, be sure to cover them with insulating materials.

Note:
- To avoid malfunction of the remote controller, do not assemble or run remote control wiring together with the power cables, and do not encircle them in the same metal conduit.
- The wire used to connect an indoor unit is covered with an insulating material, so be careful to prevent it from touching metal objects or other insulating materials.

Installing into the switch box

1. Insert a flat-head screwdriver or similar item to remove the lower case (Fig. 1).
2. Fit the lower case with screws provided. Do not overtighten any screws.
3. Connect the signal receiving unit wiring (2-wire control wiring) with the wires extended from the indoor unit (Fig. 2) (Refer to the Wiring of the Signal Receiving Unit).
4. Reattach the upper case.

Mounting on the ceiling

1. Cut a section out of the ceiling along the provided pattern 3.7" \(\times\) 2" \(\times\) 51 mm (15 mm).
2. Pass the wires through the provided mounting bracket and mount it into the installation hole (Fig. 3).
3. Use bracket parts (A) and (B) to securely grip the ceiling material. (Fig. 4)
4. Connect the Signal receiving unit control wire (2-wire) to the control wire from the indoor unit. (Refer to "Wiring of the Signal Receiving Unit." (Check the wiring correctly.))
5. Turn off the indoor unit power supply. Turn on the bit 3 of DIP switch SW30 on the signal receiving unit and be sure to wire correctly. (The unit will be damaged if high-voltage, such as AC 208/230 V, is applied.)
6. Insert a slotted screwdriver into the opening at the bottom of the remote controller. Remove the lower case from the signal receiving unit.
7. Adjust the provided spacers so that there are several millimeters larger than the thickness of the ceiling material. Pass the 2 supplied screws \(\phi 10.16 \times 1.73\text{ mm}(45 \times 45\text{ mm})\) through the spacers and tighten them enough to hold the Signal receiving unit in place.
8. Return parts (A) and (B) through the gap between the ceiling and Signal receiving unit so that they are covered in the ceiling opening. Then tighten the screws with a screwdriver.
9. Do not tighten the screws excessively. This may result in damage or deformation of the parts. (Fig. 5)
10. Firmly attach the signal receiving unit to the lower case.

Wiring of the Signal Receiving Unit

- Power is not turned on immediately connecting between signal receiving unit and wireless remote controller.
- The following table shows a few examples. For details of indoor unit errors, refer to the Installation Manual of the indoor unit.
- Note:
- The setting change is shown below.

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 details of address change (A-B selection) on wireless remote controller, refer to the owner’s manual.

Test run (Forced cooling operation)

1. When TEMPORARY button is pushed for 10 seconds or more, “F0” sound is heard and the operation changes to a forced cooling operation. After approx. 3 minutes, a cooling operation starts forcibly.
2. To stop a test operation, push TEMPORARY button once again (Approx. 1 second).
3. Check wiring / piping of the indoor and outdoor units in forced cooling operation.