TOSHIBA
Carrier

INSTALLATION MANUAL
To Personnel Charged in Installation (Electric) Work and Service

Remote sensor
MODEL : TCB-TC21LUL

Accessory parts

Part Name	Q'ty	Part Name	Q'ty
Remote sensor (7.9"(200mm)-cable attached)	1	Spacer	2
Small screw Ø0.16"x1.0" (M4 x 25mm)	2	Wire joint	2
Wood screw	2	Cable tie	1
		Installation Manual	1

Requirement to install the remote sensor

Installation place

- Install the remote sensor at a position with height 3'3" to 4'11" (1 to 1.5m) from the floor, where the average temperature in the room can be felt.
- Do not install the remote sensor at a place exposed to the direct sunlight or direct outside air, such as a side of window, etc.
- Do not install the remote sensor at a place behind something or rear side of something, where air flow is poor in the room.
- Do not install the remote controller near the freezing box or refrigerator because water proof or drop-proof is not applied to this remote controller.
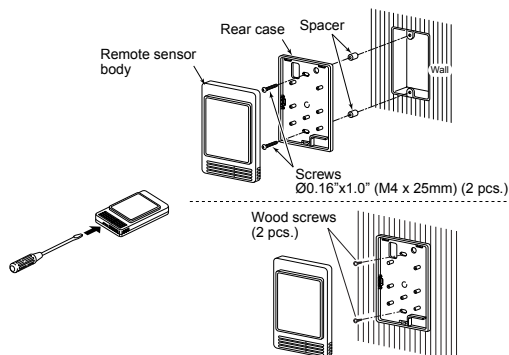- Be sure to set the remote sensor vertically on the wall surface, etc.

How to install the remote sensor

NOTE 1 : Avoid to twist the remote sensor cable with the power supply cable, etc. or to store them in the same metal pipe, otherwise it causes a malfunction.

NOTE 2 : Install the remote sensor apart from the generation source of noise.

NOTE 3 : When noise is induced to the power source of the indoor unit, some measures such as mounting the noise filter is necessary.

- In case of using the remote sensor as a concealed type

1. Inserting a straight blade screwdriver, etc. into the groove at the lower side of the remote sensor body, force open the rear case to remove it.
2. Using the attached Ø0.16" (M4) screws (2 pcs.), fix the rear case of the remote sensor. Before installation, press to open the screw hole with a screwdriver or the like.
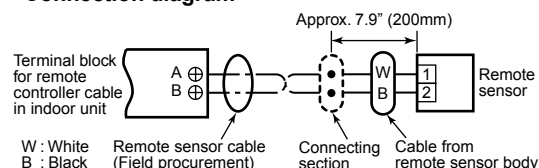
Fix it with the spacer, but not so strongly. If the remote sensor does not fit closely to the wall, adjust it by cutting off the spacer.

3. Connect the remote sensor cable (2 cores) to the terminal numbers of the indoor unit. (Applying AC 208/230V breaks the unit.)
4. Install the remote sensor body by matching to hooks on the rear case and putting into the hooks.
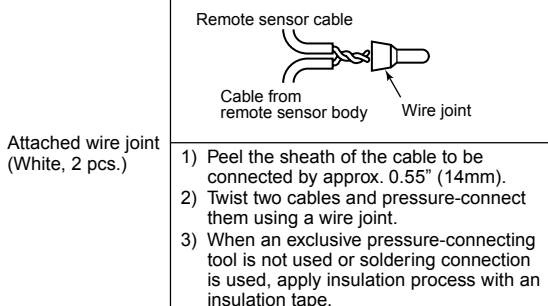
How to perform cabling of the remote sensor

In case of using the remote sensor as a concealed type

• Connection diagram

- Non polarity, 2 core cable is used..
- Use AWG20 (0.5mm²) cable.
- Use UL wires rated 300V.

Attached wire joint (White, 2 pcs.)	Remote sensor cable / Cable from remote sensor body / Wire joint
	1) Peel the sheath of the cable to be connected by approx. 0.55" (14mm). 2) Twist two cables and pressure-connect them using a wire joint. 3) When an exclusive pressure-connecting tool is not used or soldering connection is used, apply insulation process with an insulation tape.

Requirement for using the remote sensor together with the remote controller

• How to install

For the above control, install the remote sensor in the following procedure.

1. Set the remote controller as the master remote controller.
2. Do not change the remote sensor switch in the master remote controller for correct temperature control by remote sensor.

• Basic cabling diagram

1. Connect cables without miswiring. (Miswiring may break the unit.)
2. In a case to operate an indoor unit from the remote sensors and the remote controller.