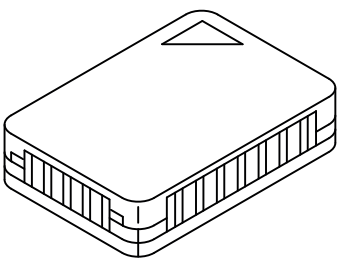
DAIKIN

4P587492-1

Remote sensor
KRCS01-8B

Installation Manual



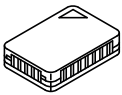
Be sure to read this manual before installation and follow the instruction.

Notes

■ Please check applicable kit model name by catalog etc..

Accessories

Check the following accessories:

Name	Remote sensor (sensor box)	Extension cable (2-core, 12m)	Clamp	Installation manual	Mounting screw (M4X16)
Shape					
Quantity	1x	1x	2x	1x	2x

Mounting

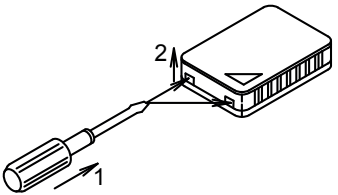
Selection of mounting location

The thermistor for temperature detection is incorporate into the remote sensor. Select the mounting location taking following cautions into account.

- Where the average temperature of an air conditioned room can be detected.
- Where it is not exposed to the direct sunlight.
- Where it is not influenced by other heat sources.
- Where it is not exposed to the direct discharge air from the air conditioner.
- Where it is not exposed to the outdoor air infiltrated into the room by opening the door.

Mounting

Remove the cover of the sensor box.

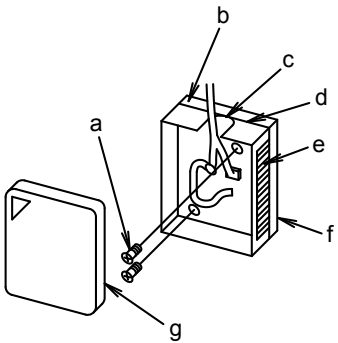


1. Insert a flat blade screw driver (about 6mm width) into the sensor box concave part (2 locations).
2. Remove the cover pushing up the nail to the cover of the sensor box.

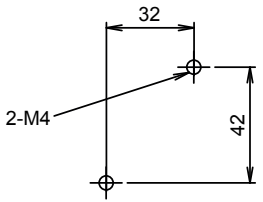
Cautions:

■ Do not push the nail powerfully with a narrow flat blade screw driver, because you may break off the nail.

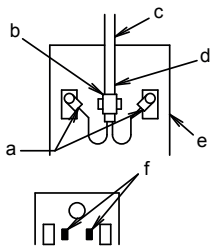
When mounting on the wall



a Mounting screw
b Thermal insulation material
c Knockout hole for cable
d Sensor box
e Air hole
f Released paper
g Sensor box cover



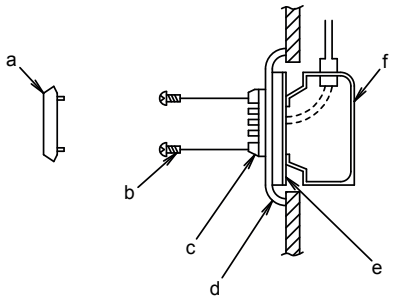
• Break open the knockout hole in the sensor box with a nipper or a similar tool. Pass the extension wires through the hole and fasten the wires to the terminals with screws.
• To avoid tensile force on the terminals, pass the attached clamp through the holes shown in the following figure and tighten the extension cable with the attached clamp at the sheathed part. (The knot must come to the box inside.)

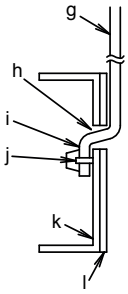


a Fasten the terminals with care to prevent the wires from touching each other
b Clamp (knot)
c Extension cable
d Sheathed part
e Sensor box
f Clamp hole

• Screw the sensor box securely to the wall surface with screws M4X16 (2 places). If the sensor box cannot be screwed to the wall surface, tear off the released paper and mount it on the wall surface.

For embedded wiring

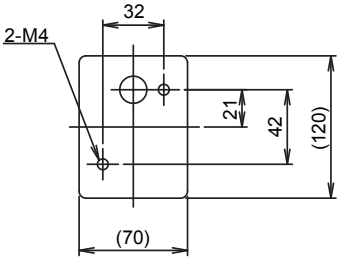




a Sensor box cover
b Mounting screw
c Sensor box
d Metal plate (for single unit without hole), (field supplied)
e Mounting frame which matches with the switch box (field supplied)
f Switch box (for single unit), (field supplied)
g Extension cable
h Through hole
i Sheathed part
j Clamp (knot)
k Sensor box
l Thermal insulation material

• Pass the extension cable through the switch box cable hole and carry out the wiring.
• Pass the attached clamp through the clamp holes and tighten the extension cable at the sheathed part as shown in the upper right figure.

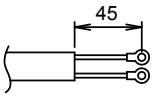
• Tap M4 screw holes in the metal plate (field supplies) as shown in the right drawing and mount the switch box on the metal plate.



Holes to be tapped in the metal plate on site (unit: mm)

Cautions:

■ When wiring the extension cable, the air holes will not be blocked.
■ When the extension cable is longer than necessary, cut it to the appropriate lenght, peel the insulation, attach the round crimp terminal for M3 (field supplied) and carry out the wiring. The lenght of insulation to be peeled off is as shown. (Work carefully so that the connector side may not be cut.)



For M3
Round crimp terminal

Wiring method

Connect the extension cable connector side to the indoor unit PCB (printed circuit board).

For connection to the indoor unit, follow the procedure shown below.

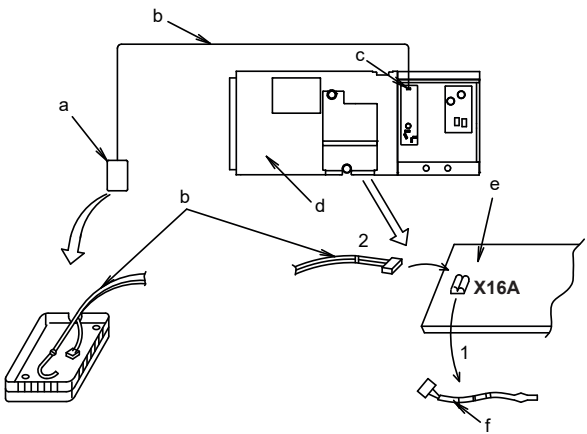
Cautions:

■ Make sure to turn off the power supply before starting the wiring work and do not turn on until all the work is completed.
Read also the installation manual and the wiring diagram of the indoor unit when carrying out the work.
■ When wiring the extension cable, do not pass where the extension cable may be affected by the power line or noise.
■ Make sure to securely connect the connectors.
Defective connection may result in incorrect detection of room temperature on malfunction.
■ Do not splice wires.

■ Since the connector of the thermistor for detection of inlet air temperature differs depending on the indoor unit type, make sure to check the indoor unit wiring diagram and follow it correctly.
■ Lay and clamp the extension cable inside the indoor unit switch box just like the low voltage line (cord for remote controller).
And do not pass where the extension cable inside the indoor unit switch box may be affected by the power line (cord for the indoor unit and the other electric line).

Procedure

1) When wiring to the indoor unit PCB, remove the existing thermistor (for detection of inlet air temperature) and then connect the extension cable. When doing this work, make sure to check the symbol of connecting address on the PCB whether it is correct or not referring to the wiring diagram.



a Screwed terminal connection
b Extension cable
c Connector connection
d Indoor unit
e Indoor unit printed circuit board (PCB)
f Existing thermistor or humidity sensor

1. Remove
2. Connect

2) Lay and clamp the extension cable inside the indoor unit switch box just like the existing thermistor.
When doing this work, keep a certain distance between the high voltage wiring and the low voltage wiring to avoid error of sensor.
Provide protection of the existing cable for thermistor without affecting other components.
3) Fit the sensor box cover into the sensor box.

Operation test after mounting the sensor

Conduct cooling and heating operation test after the sensor is mounted and the wiring is completed.

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