

3. Adaptor

3.1 KRCS01-5B Remote Sensor

Please ask your DAIKIN dealer for more specific information such as applicable models.

DAIKIN Air Conditioners	Remote Sensor	Installation Manual
KRCS01-5B	Be sure to read this installation manual before conducting the installation of this product. Installation must be conducted according to this manual.	3P657596-1

IMPORTANT **Caution** **Local setting for case of Skyair**

- Case of installing to Skyair, make sure the set to local settings after mounted remote sensor.
- SECOND CODE No. change must be conducted according to following table, from "02" to "01".

		Default		Changed
Mode No.	FIRST CODE No.	SECOND CODE No.	▶	SECOND CODE No.
15 (25)	10	02		01

Setting detail be refer to (3) Local setting .

- Make sure the no errors be sure to operation test after local setting.

Notes) Comfortable eco-dry control function is not work in case of installing to comfortable eco-dry control function by humidity detection supported models.

Accessories description Check it the following accessories are attached to this product.

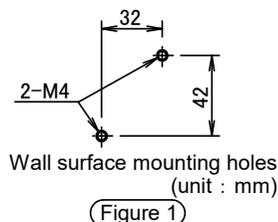
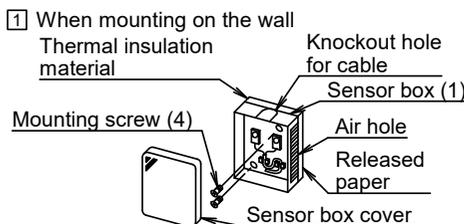
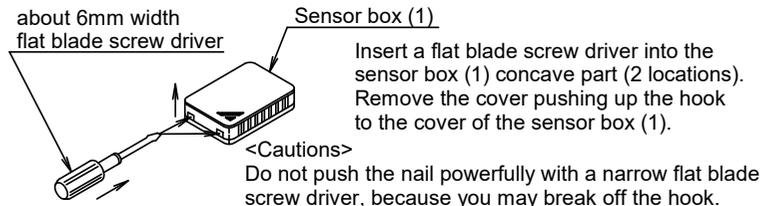
Name	Sensor box	Extension cable (2-core, 12m)	Clamp	Mounting screw (M4×16)	Other
Quantity	1 pc.	1 pc.	2 pcs.	2 pcs.	1 pc.
Shape	(1) 	(2) 	(3) 	(4) 	• Installation manual

1 Mounting the Sensor box

- (1) Selection of mounting location.
 Sensor box (1) have thermistor for temperature detection built-in. Select the mounting location taking the following cautions into account.
1. Where the average temperature of an air conditioned room can be detected.
 2. Where it is not exposed to the direct sunlight.
 3. Where it is not influenced by other heat sources.
 4. Where it is not exposed to the direct discharge air from the air conditioner.
 5. Where it is not exposed to the outdoor air infiltrated into the room by opening the door.

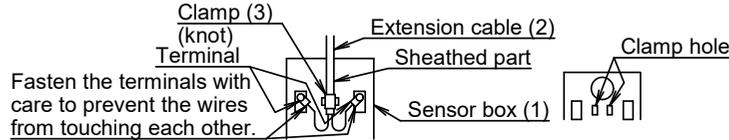
(2) Mounting

- Remove the cover of the sensor box (1).



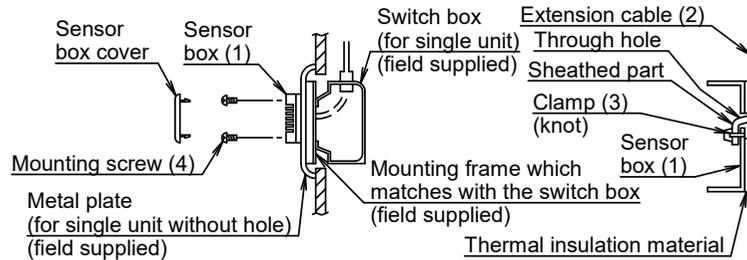
- Break open the knockout hole in the sensor box (1) with a nipper or a similar tool. Pass the extension cable (2) through the hole and fasten the wires to the terminals with screws.
- To avoid tensile force on the terminals, pass the attached clamp (3) through the holes shown in the below right figure and tighten the extension cable (2) with the attached clamp (3) at the sheathed part.
(The knot must come to the box inside.)

Please cut excess clamp for base after fixing.



- Screw the sensor box (1) to the wall surface with mounting screw (4) (M4×16, 2 places).
Wall surface mounting holes dimension refer to (Figure 1).
If the sensor box cannot be screwed to wall surface, tear off the released paper and mount it on the wall surface.

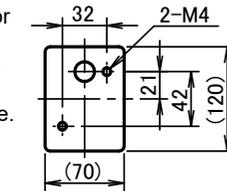
2 For embedded wiring



- Pass the extension cable (2) through the sensor box (1) cable hole and carry out the wiring.
- Pass the attached clamp (3) through the clamp holes and tighten the extension cable (2) at the sheathed part as shown in the upper right figure.

Please cut excess clamp for base after fixing.

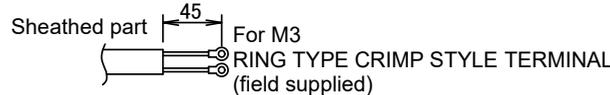
- Tap M4 screw holes in the metal plate (field supplied) as shown in the right drawing and mount the switch box on the metal plate. Refer to (Figure 2).



Holes to be tapped in the metal plate on site (unit: mm)
(Figure 2)

<Cautions>

- When wiring the extension cable (2), the air holes of sensor box (1) will not be blocked.
- When the extension cable is longer than necessary, cut it to the appropriate length, peel the insulation, attach the ring type crimp style terminal for M3 (field supplied) and carry out the wiring. The length of insulation to be peeled off is as shown below.
(Work carefully so that the connector side may not be cut.)



2 Wiring method

Connect the extension cable (2) connector side to the indoor unit PCB (printed circuit board) For connection to the indoor unit, follow the procedure shown below.

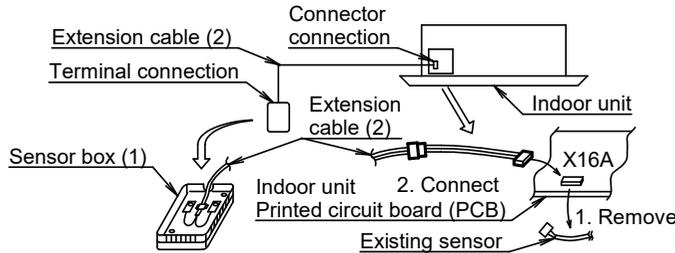
⚠ Caution

1. 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.
2. When wiring the extension cable (2), do not pass where the extension cable (2) may be affected by the power line or noise.

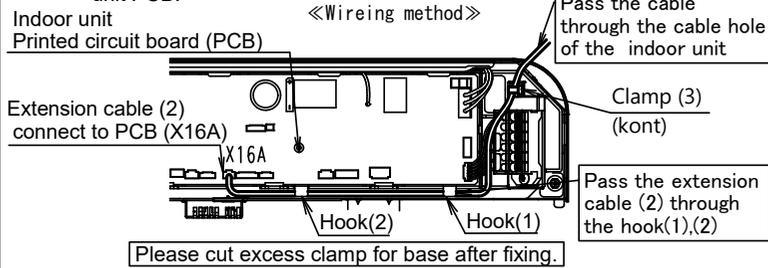
3. Make sure to securely connect the connectors.
Defective connection may result in incorrect detection of room temperature or malfunction.
4. Do not splice wires.
5. Lay and clamp the extension cable (2) inside the indoor unit switch box just like the low voltage line (cord for remote controller).
And 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 sensor from PCB (X16A).
2. Extension cable (2) connect to PCB (X16A).



3. Lay and clamp the extension cable (2) inside the indoor unit switch box just like the low voltage wire (remote controller wiring).
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 sensor without touching indoor unit PCB.



4. Fit the sensor box cover into the sensor box (1).

3 Local setting

- Make sure the completing all work of indoor and outdoor unit.
- Make sure the closing switch box cover of indoor unit, casing for outdoor unit and cover for piping.

⚠ Set the local setting by remotecontroller after turn on.

- Local setting set by changing three of "Mode No.", "FIRST CODE No.", "SECOND CODE No."
- Setting procedure and operating method refer to installing manual attach to remote controller.

Notes) "Mode No." setting be done to group together.
Case of each indoor units setting or setting confirmation, set to number in () of "Mode No."

- SECOND CODE No. change must be conducted according to following table, from "02" to "01".

Mode No.(Notes)	FIRST CODE No.	Default		Changed	
		SECOND CODE No.		SECOND CODE No.	
15 (25)	10	02	▶	01	

- After changed to settings, Turn off and turn on again.

4 Operation test after mounting the sensor

After the sensor is installed and the wiring is completed, conduct cooling and heating operation in order to make sure of detecting temperature accurately (not to be uncooled or unheated).

3P657596-1

3.2 KRCS01-6B Remote Sensor

Please ask your DAIKIN dealer for more specific information such as applicable models.

DAIKIN Air Conditioners	Remote Sensor	Installation Manual
KRCS01-6B	Be sure to read this installation manual before conducting the installation of this product. Installation must be conducted according to this manual.	3P528641-1C

IMPORTANT **Caution** **Local setting for case of Skyair**

- Case of installing to Skyair, make sure the set to local settings after mounted remote sensor.
Depending on the model, it may not be necessary to change the settings.

Mode No.	FIRST CODE No.	Default		▶	Changed	
		FIRST CODE No.	SECOND CODE No.		SECOND CODE No.	
15 (25)	10	02		▶	01	
15 (25)	10	01		▶	no need	
15 (25)	10	--		▶	no need	

Setting detail be refer to **③** Local setting .

- Make sure the no errors be sure to operation test after local setting.
Notes) If you install remote sensor on model that has comfortable eco-dry control function or dehumidification cooling function by humidity detection, these functions will not work.

Accessories description Check it the following accessories are attached to this product.

Name	Sensor box	Extension cable (2-core, 12m)	Clamp	Mounting screw (M4×16)	Other
Quantity	1 pc.	1 pc.	2 pcs.	2 pcs.	1 pc.
Shape	(1)	(2)	(3)	(4)	• Installation manual

① Mounting the Sensor box

(1) Selection of mounting location.
Sensor box (1) have thermistor for temperature detection built-in. Select the mounting location taking the following cautions into account.

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

(2) Mounting

- Remove the cover of the sensor box (1).

about 6mm width flat blade screw driver

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

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

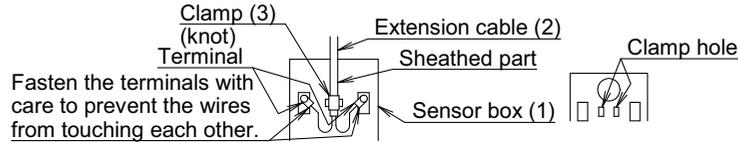
① When mounting on the wall

Wall surface mounting holes (unit : mm)

Figure 1

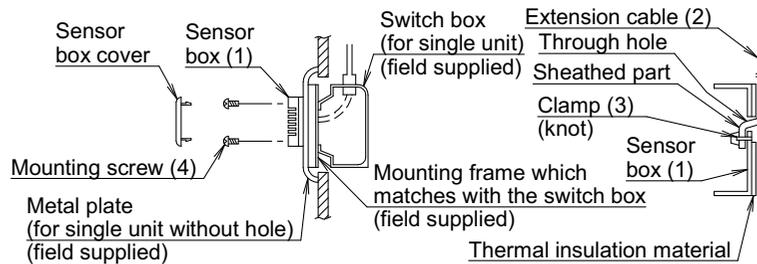
- Break open the knockout hole in the sensor box (1) with a nipper or a similar tool. Pass the extension cable (2) through the hole and fasten the wires to the terminals with screws.
- To avoid tensile force on the terminals, pass the attached clamp (3) through the holes shown in the below right figure and tighten the extension cable (2) with the attached clamp (3) at the sheathed part.
(The knot must come to the box inside.)

Please cut excess clamp for base after fixing.

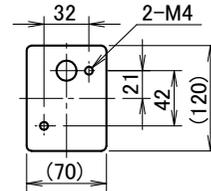


- Screw the sensor box (1) to the wall surface with mounting screw (4) (M4×16, 2 places).
Wall surface mounting holes dimension refer to (Figure 1).
If the sensor box cannot be screwed to wall surface, tear off the released paper and mount it on the wall surface.

② For embedded wiring



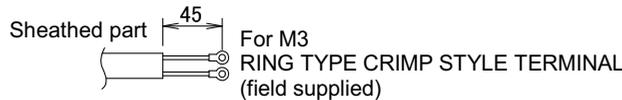
- Pass the extension cable (2) through the sensor box (1) cable hole and carry out the wiring.
- Pass the attached clamp (3) through the clamp holes and tighten the extension cable (2) at the sheathed part as shown in the upper right figure.
Please cut excess clamp for base after fixing.



- Tap M4 screw holes in the metal plate (field supplied) as shown in the right drawing and mount the switch box on the metal plate. Refer to (Figure 2).
- Holes to be tapped in the metal plate on site (unit: mm)
(Figure 2)

<Cautions>

- When wiring the extension cable (2), the air holes of sensor box (1) will not be blocked.
- When the extension cable is longer than necessary, cut it to the appropriate length, peel the insulation, attach the ring type crimp style terminal for M3 (field supplied) and carry out the wiring. The length of insulation to be peeled off is as shown below.
(Work carefully so that the connector side may not be cut.)



② Wiring method

Connect the extension cable (2) connector side to the indoor unit PCB (printed circuit board) For connection to the indoor unit, follow the procedure shown below.

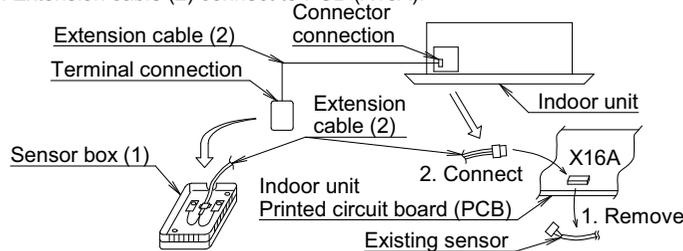
⚠ Caution

1. 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.

2. When wiring the extension cable (2), do not pass where the extension cable (2) may be affected by the power line or noise.
3. Make sure to securely connect the connectors.
Defective connection may result in incorrect detection of room temperature or malfunction.
4. Do not splice wires.
5. Lay and clamp the extension cable (2) 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 sensor from PCB (X16A).
2. Extension cable (2) connect to PCB (X16A).



3. Lay and clamp the extension cable (2) inside the indoor unit switch box just like the low voltage wire (remote controller wiring).
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 sensor without touching indoor unit PCB.
4. Fit the sensor box cover into the sensor box (1).

3 Local setting

- Case of installing to Skyair, make sure the set to local settings after mounted remote sensor.
Depending on the model, it may not be necessary to change the settings.
- Make sure the completing all work of indoor and outdoor unit.
- Make sure the closing switch box cover of indoor unit, casing for outdoor unit and cover for piping.

⚠ Set the local setting by remote controller after turn on.

- Local setting set by changing three of "Mode No.", "FIRST CODE No.", "SECOND CODE No."
- Setting procedure and operating method refer to installing manual attach to remote controller.

Notes) "Mode No." setting be done to group together.
Case of each indoor units setting or setting confirmation, set to number in () of "Mode No."

Mode No.(Notes)	FIRST CODE No.	Default	Changed
		SECOND CODE No.	SECOND CODE No.
15 (25)	10	02	01
15 (25)	10	01	no need
15 (25)	10	--	no need

- After changed to settings, Turn off and turn on again.

4 Operation test after mounting the sensor

After the sensor is installed and the wiring is completed, conduct cooling and heating operation in order to make sure of detecting temperature accurately (not to be uncooled or unheated).

3P528641-1C

3.3 KRCS01-1B / KRCS01-4B / KRCS01-2UA Remote Sensor

Please ask your DAIKIN dealer for more specific information such as applicable models.

Notes

- Please check applicable kit model name by catalog etc.,
- When installed on Skyair Round-flow type models, the dehumidification by detection of humidity does not operate,

Accessories

Check the following accessories.

Name	Remote sensor (sensor box)	Extension cable (2-core, 12m)	Clamp	Installation manual (this drawing)	Mounting screw (M4X16)
Shape	① 	② 	③ 	④ 	⑤ 
Quantity	X 1	X 1	X 2	X 1	X 2

1 Mounting

1) Selection of mounting location.

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

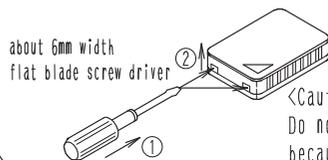
- ① Where the average temperature of an air conditioned room can be detected,
- ② Where it is not exposed to the direct sunlight,
- ③ Where it is not influenced by other heat sources,
- ④ Where it is not exposed to the direct discharge air from the air conditioner,
- ⑤ Where it is not exposed to the outdoor air infiltrated into the room by opening the door,

2) Mounting

- Remove the cover of the sensor box.

① Insert a flat blade screw driver into the sensor box concave part (2 locations),

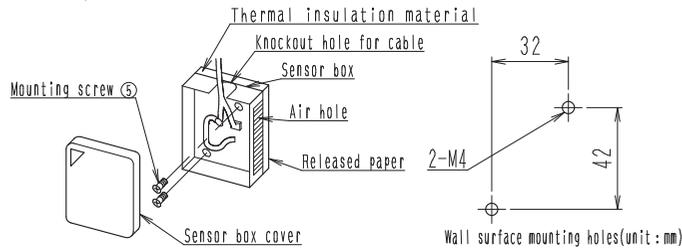
② Remove the cover pushing up the nail to the cover of the sensor box.



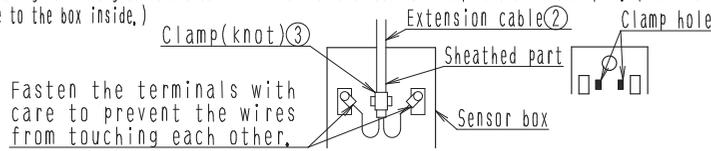
<Cautions>

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

(a) When mounting on the wall

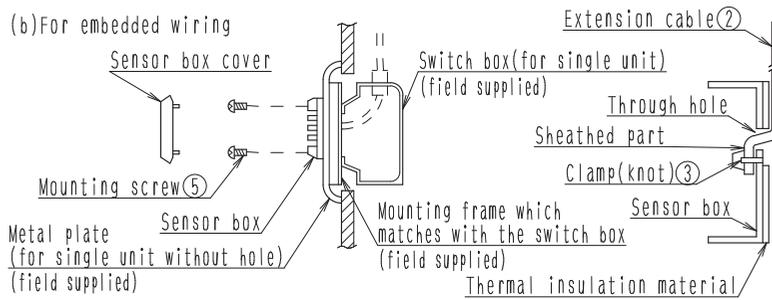


- Break open the knockout hole in the sensor box with a nipper or a similar tool, Pass the extension wires through the hole and fasten the wires to the terminals with screws,
- To avoid tensile force on the terminals, pass the attached clamp through the holes shown in the below right figure and tighten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

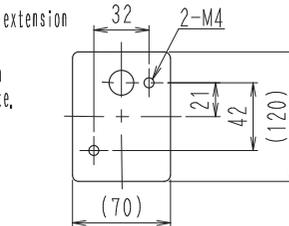


- Screw the sensor box securely to the wall surface with screws M4X16(2 places),
If the sensor box cannot be screwed to wall surface, tear off the released paper and mount it on the wall surface,

(b) For embedded wiring



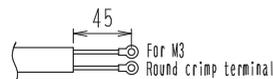
- Pass the extension cable through the switch box cable hole and carry out the wiring,
- Pass the attached clamp through the clamp holes and tighten the extension cable at the sheathed part as shown in the upper right figure,
- Tap M4 screw holes in the metal plate (field supplied) as shown in the right 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 length, peel the insulation, attach the round crimp terminal for M3 (field supplied) and carry out the wiring. The length of insulation to be peeled off is as shown.
(Work carefully so that the connector side may not be cut.)



2 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.

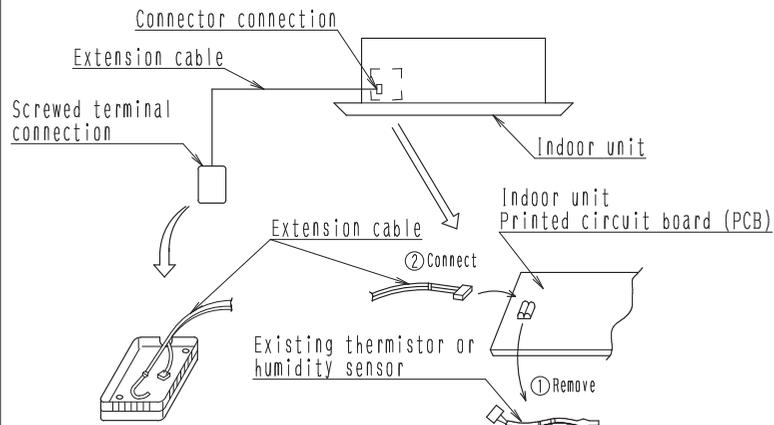
⚠ Caution

- 1) 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.
- 2) When wiring the extension cable, do not pass where the extension cable may be affected by the power line or noise.
- 3) Make sure to securely connect the connectors.
Defective connection may result in incorrect detection of room temperature or malfunction.
- 4) Do not splice wires.
- 5) Since the connector marking of the thermistor for detection of inlet air temperature differ depending on the indoor unit type, make sure to check the indoor unit wiring diagram and follow it correctly.
- 6) 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>

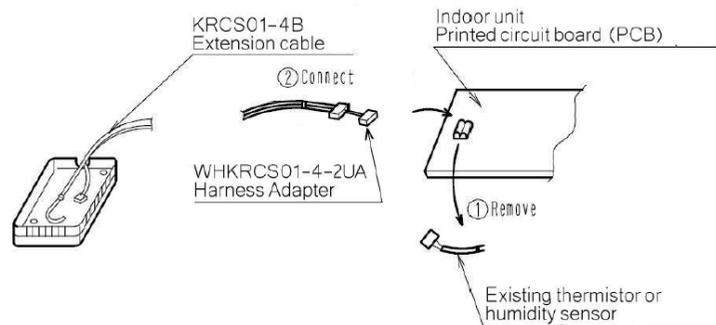
- 1) When wiring to the indoor unit PCB, remove the existing thermistor (for detection of inlet air temperature) and then connect the extension cable. When doing this work, make sure to check the symbol of connecting address on the PCB whether it is correct or not referring to the wiring diagram,

<For KRCS01-1B/4B>



<For KRCS01-2UA>

KRCS01-2UA includes Wiring Harness Adaptor WHKRCS01-4-2A that connects Extension Cable KRCS01-4B to the X4A connector on the FXTQ_TA PCB:



Part #	Description
KRCS01-2UA	New Remote Sensor Kit
KRCS01-4B	Existing Remote Sensor
WHKRCS01-4-2UA	New Wiring Harness Adaptor

- 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,

3 Operation test after mounting the sensor

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