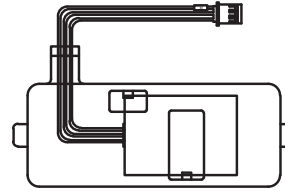# Hisense

Installation Instructions

Humidity Sensor

IMPORTANT:

READ AND UNDERSTAND THIS MANUAL BEFORE USING THIS HUMIDITY SENSOR. KEEP THIS MANUAL FOR FUTURE REFERENCE.

IMPORTANT NOTICE

● The operation of humidity sensor is described by the following instructions. Improper operation or failure to follow the said operating instructions may lead to an unsatisfactory result or hazard, in which case healthy operation cannot be guaranteed.

● Please be sure to clean the humidity sensor on a yearly basis prior to automatic dehumidification! Dust and other articles in the sensor may bring about excessively significant error of humidity determination, or even the failure of automatic dehumidification mode.

● This product shall in no case be used in places with much fume, dense dust or flammable or explosive gases.

● Users are not allowed to install, transfer or repair this product by themselves. Hisense Hitachi shall not be held responsible for any problem resulting from modification to equipment by users.

● All data in this manual is based on the latest products. Hisense Hitachi reserves the right to change the manual at any time without notice, and shall not be held responsible there-for.

● No part of this manual can be reproduced without written permission.

● Prompt words (WARNING, CAUTION) are used to indicate the degree of danger.

The degrees of danger are described by specific words as follows:

⚠ **WARNING:** Dangerous or unsafe operation that may result in minor injury or damage to products and properties.

CAUTION: Useful information for operation and manipulation.

CHECKING PRODUCT RECEIVED

● Upon receiving this product, inspect it for any shipping damage. Claims for damage, either apparent or concealed, should be filed immediately with the shipping company.

● Check the number of parts to determine if they are correct.

1. Before Installation

CAUTION

Please check whether the number of accessories is correct.

This component can only be installed in indoor units designed with the feature of "automatic dehumidification".
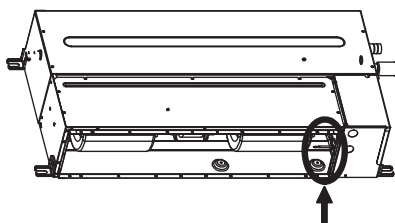
2. Installation

⚠ WARNING

1. Please keep the indoor and outdoor power sources OFF for more than 3 minutes, and make sure the indoor and outdoor fans are in stopped state before field installation or regular inspection.

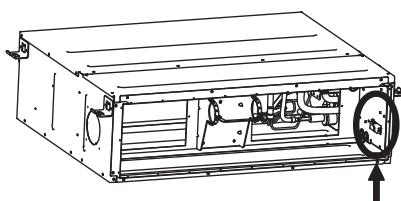1. The installation location of humidity sensor is shown in Fig. 1.

● Factory-supplied components: Please verify the humidity sensor.

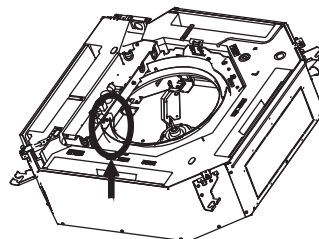Please contact the contracting party if the components are found to be insufficient.

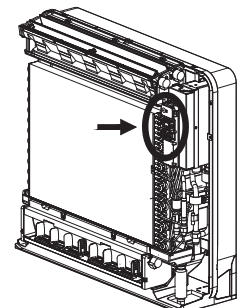| No.	Part	Q'ty	Purpose
1	Humidity Sensor	1	Humidity Detection
2	Humidity Sensor Mounting Box	1	Fixed Installation of Humidity Sensor
3	THU1 Wiring	1	Connection of humidity sensor and main control board

a. Canalizzate slim

b. Canalizzate

c. Cassette 4 vie (mini)

d. Console

2. As shown in Fig. 2, lead the THU1 wire out of the lead outlet of mounting box.
For Console type, take humidity sensor mounting box off. It just uses the humidity sensor and THU1 Wiring.
3. As shown in Fig. 3(a,b,c), install the humidity sensor on the back of electric box through both foot pieces of humidity sensor mounting box. Align the two foot pieces of humidity sensor mounting box with the electric box humidity sensor mounting hole, and gently press the foot pieces.
For Console type, turn auxiliary electrical box over and put the humidity sensor into the auxiliary electrical box as shown in Fig. 3(d)
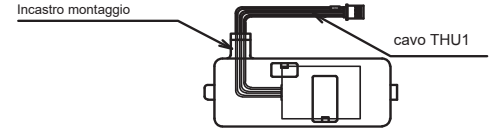

Incastro montaggio
cavo THU1

Fig. 2: THU1 wire led out of lead outlet

a. Slim duct-type unit
b. Duct-type unit
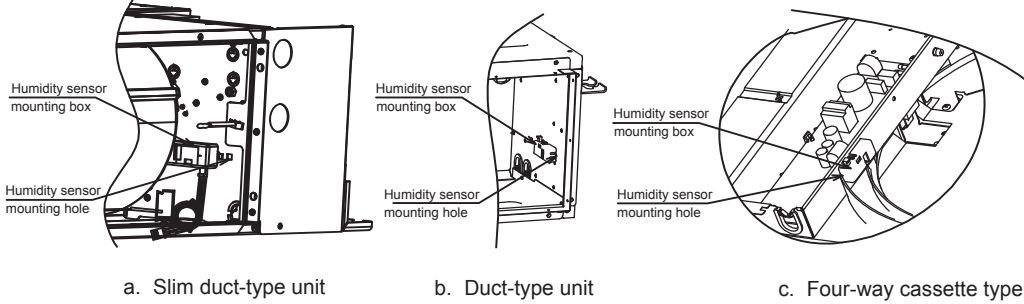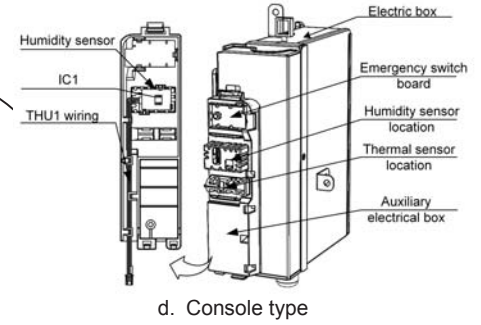c. Four-way cassette type
d. Console type

Fig. 3: Humidity sensor mounted on electric box

4. Lead the THU1 wire into electric box via the entrance hole of electric box as shown in Fig. 4.
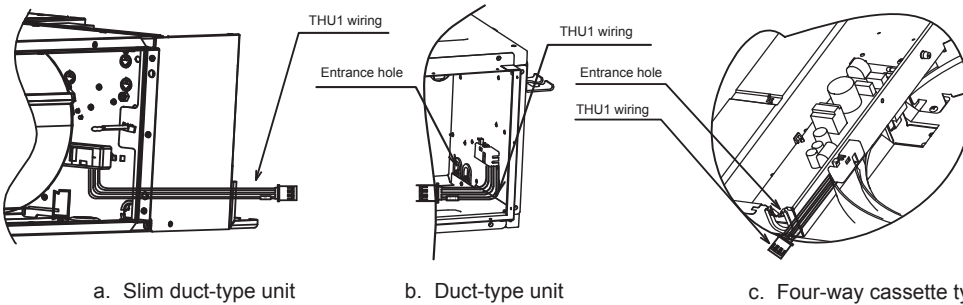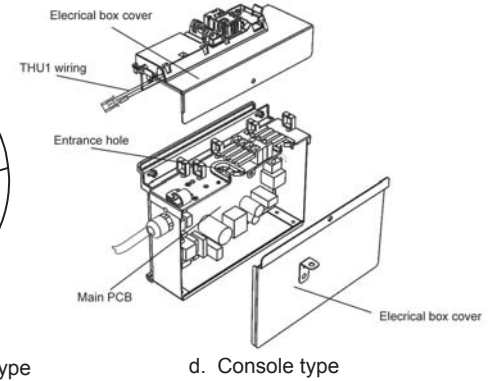5. Insert the THU1 wire into the THU1 terminal of base board.

a. Slim duct-type unit
b. Duct-type unit
c. Four-way cassette type
d. Console type

Fig. 4: THU1 wire is led into electric box via electric box entrance hole and the THU1 terminal is inserted into base board

3. After Installation

Relevant inspection and trial run must be performed upon completion of installation. The inspection items are as follows:

1. Post-installation Mechanical Strength
- The air conditioner body, humidity sensor and fastener shall be designed with sufficient bearing capacity and rust-proofing measures and shall be installed securely, firmly and reliably.
- The mounting surface shall be robust, firm and compliant with relevant requirements.

2. Electrical Inspection
- The power supply shall comply with relevant requirements while the lines and electrical parts, etc.
- The mounting position and environment shall be appropriate.
- Perform the inspection with special tools like test pencil and multimeter, etc. To assure favorable insulation, reliable earthing, and null electric leakage, etc.

3. Off-normal noise and vibration are not acceptable.

4. Perform test run, set the 86 wired controller to dehumidification mode make sure the unit can get into "automatic dehumidification" mode.

4. Routine Maintenance

CAUTION

1. Shut down the unit and turn off the power supply before cleaning and maintenance.

2. The humidity sensor or electrical part shall not be cleaned with water.

- Keep this device dry and clean during daily operation.
  Make sure the electrical connections are in good contact.
- If the indoor unit fails to get into "automatic dehumidification" mode.
  Please check:
① Whether the humidity sensor is properly connected with air conditioner body.
② If the air conditioner runs in dehumidification mode.

Test Run and Maintenance Record

Indoor unit model number matched:	
User name and address:	Date:

1. Does the humidity sensor match with indoor unit?	
2. Can 86 wired controller get into "automatic dehumidification" mode after installation?	
3. Does the air flows smoothly near the humidity sensor?	
4. Is there flammable, explosive or corrosive gas near humidity sensor?	
5. Is there much dust or oil fume near the humidity sensor?	
6. Is the cleaning of humidity sensor finished before automatic dehumidification?	
7. Time of previous check:	