MULTI Air Conditioner

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Technical Information

Mitsubishi Electric Co. AC & R System Works

Title: Handling the return air temperature sensor (TH1) according to the return duct structure

1. Symptom

When a bend in the return duct is very close to the unit connected to the duct, actual return air temperature is different from the return air temperature detected by the sensor on the unit (TH1).

2. Reason

Since a bend in the return duct causes an uneven airflow distribution, the temperature difference occurs between actual return air temperature and the return air temperature detected by the sensor when the return air temperature is measured at a single point.

When the unit has a straight return duct or no return duct, there is no temperature difference between actual return air temperature and the return air temperature detected by the sensor.

3. Remedy

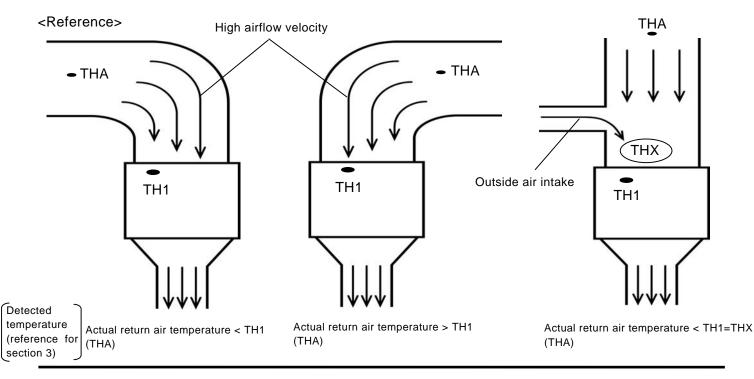
If there is a problem with room temperature control, apply the following remedies.

1) When using a remote controller with a temperature sensor, AND installing the controller in a location where an average room temperature can be detected,

Use the sensor on the remote controller to control the room temperature.

- 2) Other than section 1) above
 Use a Remote Sensor (sold separately) (PAC-SE41TS-E). (Refer to the attached document.)
 1. Install this sensor inside the room.
 - 2. Install this sensor in a location where an actual return air temperature can be detected inside the duct.
- 4. Additional notes

When using a standard unit that takes in outside air through a return duct, apply the remedies shown in section 3.



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Air-Conditioners For Building Application	the second second second second second
Remote Sensor PAC-SE41T	S-E of the second secon
Installation Manual	the second s
r your safety, first be sure to read "(1 Safety Precautions)" described b	below thoroughly and then install the Remote Sensor PAC-SE41TS-E
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1 Safety Precautions	
WARNING This symbol denotes what could lead to serious inju	· · · · · · · · · · · · · · · · · · ·
	y or damage to your property if you misuse the PAC-SE41TS-E.
After reading this installation manual, keep it in a place where the final on When someone moves, repairs or uses the PAC-SE41TS-E, make sure	user can see it anytime he or she wants to it. that this manual is forwarded to the final user.
	RNING
Ask your dealer or technical representative to install the unit. Any deficiency caused by your own installation may result in an elec- tric shock or fire.	Ensure that installation work is done correctly following this installation manual. Any deficiency caused by installation may result in an electric shoct or fire.
Install in a place which is strong enough to withstand the weight of the PAC-SE41TS-E.	All electrical work must be performed by a licensed technician
Any lack of strength may cause the PAC-SE41TS-E to fall down, resulting in personal injury.	according to local regulations and the instructions given in th manual. Any lack of electric circuit or any deficiency caused by installation ma result in an electric shock or fire.
Firmly connect the wiring using the specified cables. Carefully check that the cables do not exert any force on the ter-	
minals. Improper wiring connections may produce heat and possibly a fire. Never modify or repair the PAC-SE41TS-E by yourself. Any deficiency caused by your modification or repair may result in an electric shock or fire. Consult with your dealer about repairs.	Do not move and re-install the PAC-SE41TS-E yourself. Any deficiency caused by installation may result in an electric sho
	or fire. Ask your distributor or special vendor for moving and installation.
	Do not turn on the main power until installation has been completed. Fail to do so may cause an electric shock or fire.
	UTION
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Do not install in any place exposed to flammable gas leakage. Flammable gases accumulated around the body of PAC-SE41TS-E may cause an explosion.	Do not install in any place where acidic or alkaline solution of special spray are often used. Doing so may cause an electric shock or malfunction.
Do not use in any special environment. Using in any place exposed to oil (including machine oil), steam and sulfuric gas may deteriorate the performance significantly or give	Use standard wires in compliance with the current capacity. A failure to this may result in an electric leakage, heating or fire.
damage to the component parts. Wire so that it does not receive any tension.	Do not install in any steamy place such a bathroom or kitchen. Avoid any place where moisture is condensed into dew. Doing so may cause an electric shock or a malfunction.
Tension may cause wire breakage, heating or fire. Completely seal the wire lead-in port with putty etc. Any dew, moisture, cockroaches, insects entering the unit may cause an electric shock or a malfunction.	Do not touch any PCB (Printed Circuit Board) with your hands of with tools. Do not allow dust to collect on the PCB. Doing so may cause fire or an electric shock.
Do not wash with water. Doing so may cause an electric shock or a malfunction.	Do not install in any place at a temperature of more than 40°C of less than 0°C or exposed to direct sunlight.
2 Confirming the Supplied Parts	영수, 가슴
Confirm that following parts are enclosed in the box in addition	to this Installation Manual.
(1)Remote sensor unit ·········1	
(2)2-core cable (12m)1 (3)Wood screw 4.1X162	
(3) Wood Screw 4.1X16	· 문화가 가지? 지않는 것 60 PML의 2010의 PDY는 가 두 것도 안 주 가지 않는 것이 하는 하는 것이 하는 것이 이 이 하는 것이 하는 것이 않아, 것이 이 이 것이 이 것이 것이 것이 것이 것이 않아. 것이 이 이 아, 것이 이 이 이 이 이 이 하는 것이 하는 것이 이 이 이 이 이 이 이 이 이 이 이 하는 것이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이
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