



**FULL DC INVERTER SYSTEMS
INSTALLATION & OWNER'S MANUAL**

FASCIA PANEL SDV5-XXP

COMMERCIAL AIR CONDITIONERS SDV5



INSTALLATION MANUAL OF FASCIA PANEL

MODELS: SDV5-01P, SDV5-02P, SDV5-03P

Thank you very much for purchasing our product.

Before using your unit, please read this manual carefully and keep it for future reference.

Version: 16123000003013 V.A

Installation methods and other precautions

Models

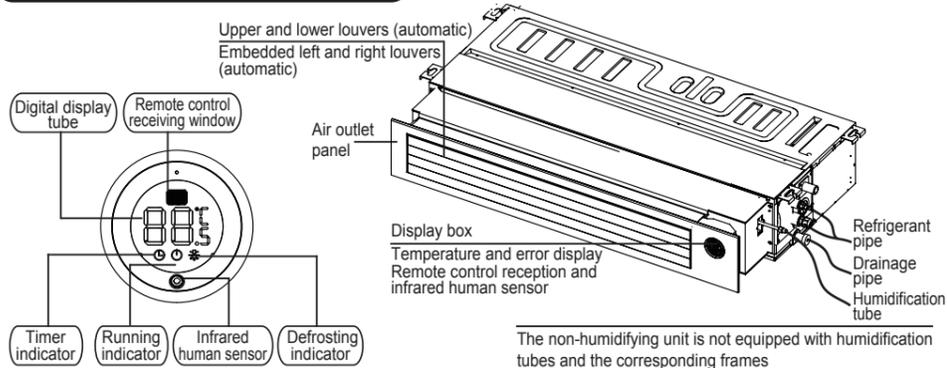
- SDV5-01P/02P/03P has neither human body sensing function nor Wi-Fi.

I. Precautions

- Ask a professional installation company to install the air conditioner, so as to ensure the installation quality.
- To prevent condensation, the joints of the panel need to be sealed and wrapped with protection sponge, and metal parts such as screws shall not be exposed.
- Ensure that the ceiling opening hole sizes are accurate.
- The following phenomena are normal and do not indicate a fault.

Description	Cause
White mist is discharged from the panel	(1) Due to high humidity and the temperature difference between the air inlet and outlet, cold air may form white mist. (2) When the mode is switched from defrosting to heating, moisture may be discharged in the form of mist. (3) When the humidifier operates, the steam may form mist after meeting cold air and then be discharged.
The panel generates low noises	(1) Squeak from natural expansion or contraction of plastic parts. (2) The louvers may generate low friction sound when they are rotating.
Condensation may occur on the surface of the panel and water may drip	(1) When the unit operates in "cooling" mode in a relatively humid environment (relative humidity higher than 80%), condensation may occur on the surface of the panel and water may drip. (2) When the humidifier operates too long, condensation may occur on the surface of the panel and water may drip.
Avoid People/Blow on People is unresponsive	(1) The panel is not equipped with an infrared human sensor. (2) Wearing thick clothes, other heat sources present in the room, any objects blocking the infrared human sensor or falling within the dead zone of the infrared human sensor, may affect the accuracy and actual effect of smart eye detection.
Louver is perpendicular to the panel and it is impossible to adjust louver operating angles	In a mode other than heating, the panel may automatically adjust the louver angle to ensure the best effect of humidification. At this time, the louver angle cannot be customized.
After clicking Light Off, the panel indicator is still on	After pressing the OFF button, the panel indicator will automatically turn off after 15s without operation, please wait patiently.

II. Description of Panel Parts



Running indicator: it is on when the power is turned on, off when the power is turned off, and flashes slowly while in standby mode.

Defrosting indicator: When defrosting or anti-cold wind protection is enabled, the indicator is on.

Timer indicator: When the timing function is on, the indicator is on.

Digital display: In Cool or Heat mode, the digital display shows the set temperature. In Fan mode, it displays the indoor temperature. In separate humidification mode, it displays the set humidity. When an error occurs, it displays the error code (see the IDU manual for the error definitions).

When the above indicators are set to be always on via the remote controller or wired controller, operating indicator and digital display will be steady on, the timer indicator will be steady on during the timed period, and defrosting indicator will be on when the unit defrosts. When the above indicators are set to be always off via the remote controller or wired controller, operating indicator, digital display and timer indicator will be on after the corresponding instruction is received, and will be off after 15s, and defrosting indicator will not be lit when the unit runs in defrost mode.

III. Applicable Models

Air outlet panel	01	02	03
Applicable model	DAP IDU series: 17-36	DAP IDU series: 45-56	DAP IDU series: 71

SDV5-01P/02P/03P series panels are applicable for small-sized VRF IDUs;

Note: The upper table lists the models of DAP series duct IDUs that support arc-fin evaporator.

IV. List of Components

Air outlet panel	Instruction	Cross recessed head screw
1 pcs	1 pcs	6 pcs

V. Installing the Panel

1. Structure and external dimensions (see Figure 1 and Table 1)

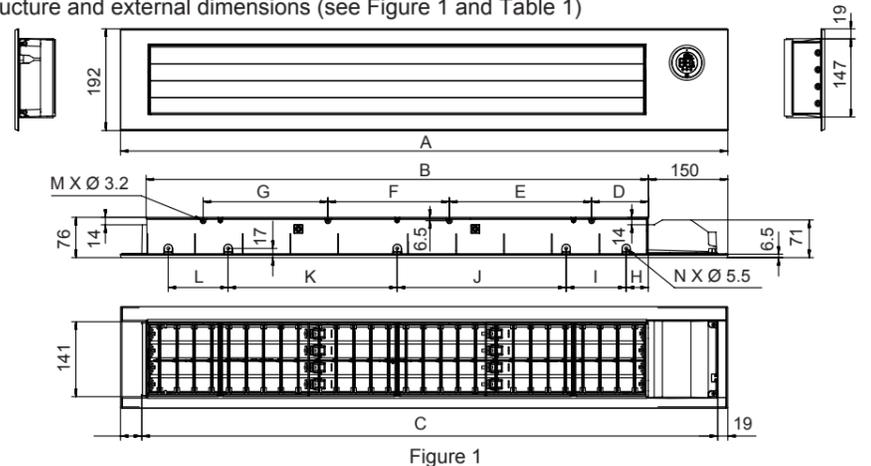


Figure 1

Table 1 (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
01	705	507	646	41.5	192	199.5	/	42	94	250.5	78	/	3	4
02	925	727	866	75.5	205	165	238	42	81.5	240	240	81.5	4	5
03	1145	947	1086	107	268	229	235	42	113	318.5	319	113	4	5

2. To install the panel, the reserved opening hole sizes for the ceiling are shown in Figure 2, Table 2, and Table 3.

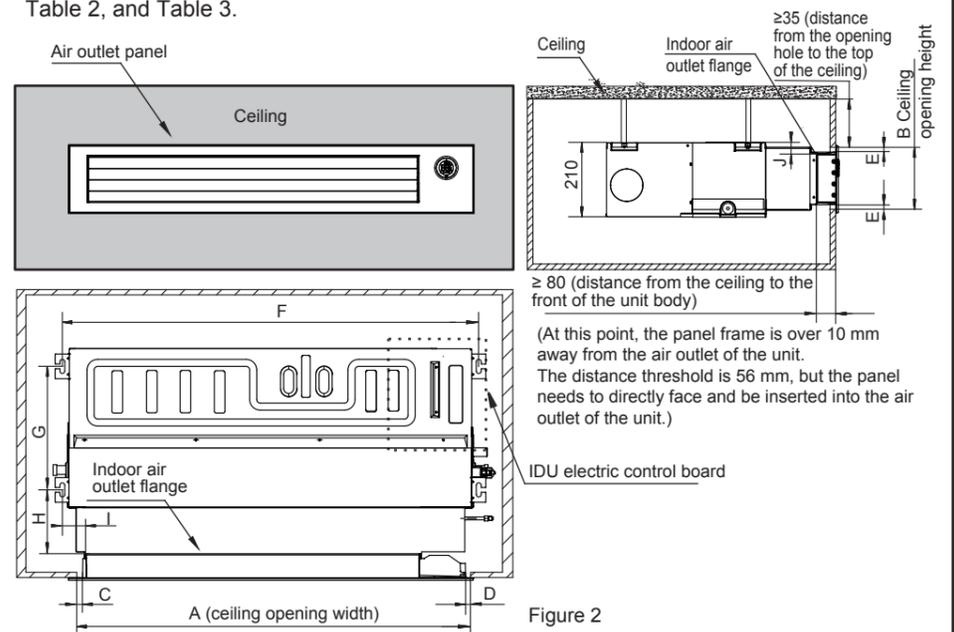


Figure 2

Table 2 (Unit: mm)

Model	A	B	C	D	E
01 series Panel	650 to 660	150 to 156	0 to 10	0 to 10	0 to 9
02 series Panel	870 to 880	150 to 156	0 to 10	0 to 10	0 to 9
03 series Panel	1090 to 1100	150 to 156	0 to 10	0 to 10	0 to 9

Table 3 (Unit: mm)

Model	F	G	H Humidifier	I Humidifier	J Humidifier	H	I	J
Applicable IDU (01 series)	740	350	193.5	62	29	69.5	64.5	17
Applicable IDU (02 series)	960	350	193.5	62	29	69.5	64.5	17
Applicable IDU (03 series)	1178	350	193.5	62	29	69.5	64.5	17



CAUTION

- Confirm the ceiling opening position to ensure that the distance from the ceiling to the front of the unit body is ≥ 80 mm;
- Confirm the ceiling opening position to ensure that distance from the opening hole to the top of the ceiling is ≥ 35 mm;
- Check whether the ceiling opening size, and the position of the air outlet of the IDU and the ceiling opening meet the requirements specified in Figure 2.
- Check whether the strength of the ceiling for panel installation is appropriate. If the strength is weak, reinforce the openings to achieve sufficient installation strength.
- Check whether the IDU is parallel to the ceiling.

3. Install the air outlet panel.

3.1 Installation method 1: Directly fix the air outlet panel onto the reinforced wooden support of the ceiling with flat head screws.

3.1.1 Position of the screw holes on the air outlet panel:

Make panel fixing screws symmetrically distributed at the upper and lower sides. The 01 series panel has 2 holes each on the top and bottom, and the 02 and 03 series panels have 3 holes each on the top and bottom. All panels have 1 hidden hole on the left, right, top and bottom, which can be selected according to actual needs.

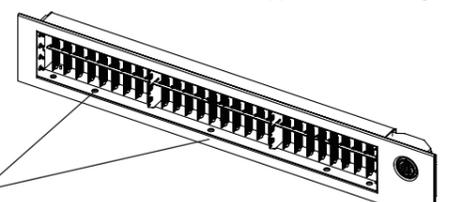


Figure 3

3.1.2 Fix the air outlet panel onto the ceiling.

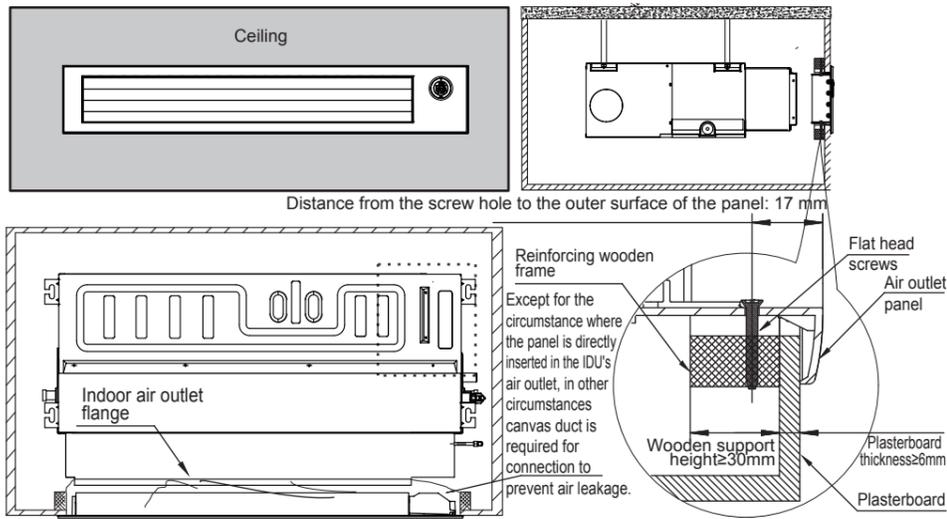


Figure 4

3.1.3 To easily fix the screws, you can press and move the top and bottom louvers with moderate strength to release the lock;

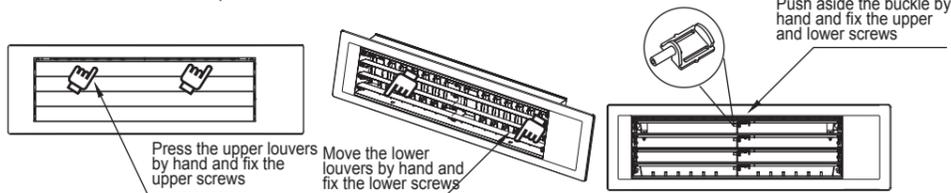


Figure 5

3.2 Installation method 2: Directly fix the air outlet panel onto the air outlet of the IDU, which is only applicable for nude packing.

3.2.1 Poke through the corresponding holes of the sponge covering the Mxφ3.2 screw holes on the upper and lower sides of the following panel;

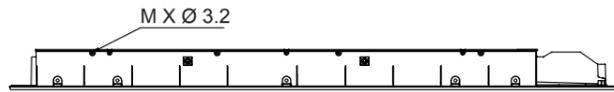


Figure 6

3.2.2 Insert the panel into the air outlet of the IDU until it is propped, and use screws to fix the panel onto the air outlet of the IDU. Note that the panel needs to be held while fixing to prevent it from falling.

3.2.3 After installation, check whether the screws are fixed according to the panel holes. If not, it may hinder the left and right swing of the louvers.

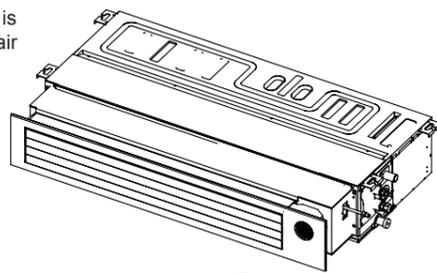


Figure 7

CAUTION

- Make sure to use flat head screws to fix the panel onto the ceiling to prevent the screws from skewing or loosening, and the screw caps must be completely embedded in the corresponding concave pits; otherwise, the louver may interfere with the screw cap, causing the louver not to operate normally. In addition, check whether the louver is normally reset.
- Make sure to add reinforced wooden support for the air outlet at the ceiling opening hole of the panel. The height of the wooden support is shown in Figure 4.
- When fixing the panel, you can press the top louver and move the bottom louver with moderate strength to release the lock, so as to easily fix the flat head screws with tools; otherwise, the louvers may permanently be deformed. The lock must be reset after it is released, otherwise, it may cause abnormality, as shown in Figure 5.
- Make sure to add reinforced wooden support for the air outlet; otherwise, unsecured fixing may result in hidden danger.
- If the IDU is too far away from the ceiling or there is a level difference between the IDU and the ceiling opening, you can make a corresponding soft air duct or insulation air duct to avoid cold or heat leakage.

4. Open the IDU electric control box cover and connect the panel cable to the IDU electric control part (refer to Figure 8).

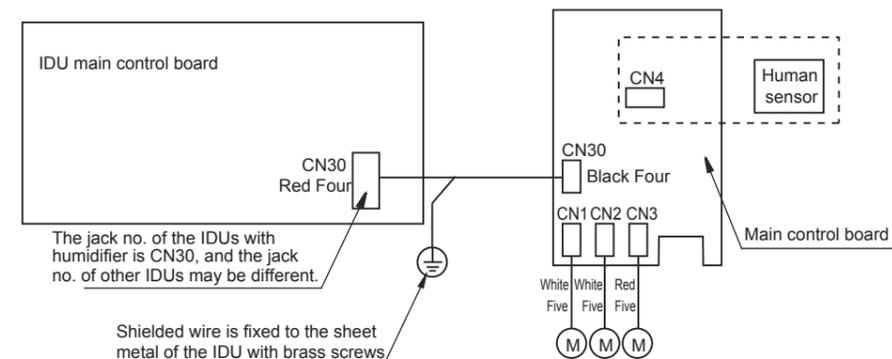
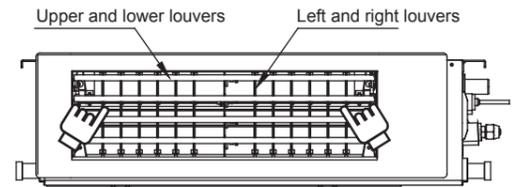


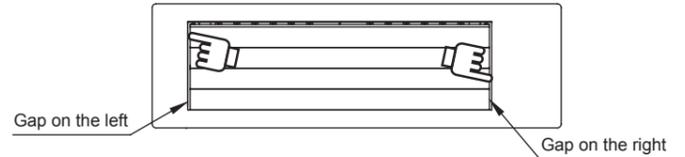
Figure 8

Precautions for wiring: Arrange professional personnel for wiring according to the wiring diagram. Do not connect the cables with power on. Cable connection with power on or wrong connection may burn the display box and cause personal injury.

5. Left and right louvers can automatically adjust within a range of angles.



6. Check whether the left and right gaps of the 4 top and bottom louvers are even;



CAUTION

- Ensure that there are no gaps between the IDU and the air outlet panel, and between the air outlet panel and the ceiling. Otherwise, check whether the screws are fastened tightly during installation.
- If there are still gaps after all screws are tightened, remove the air outlet panel, adjust the distance from the air outlet of the IDU to the ceiling, and then install the air outlet panel again.
- If the IDU is too far away from the ceiling or there is a level difference between the IDU and the ceiling opening, you can make and connect the corresponding soft air duct as required.

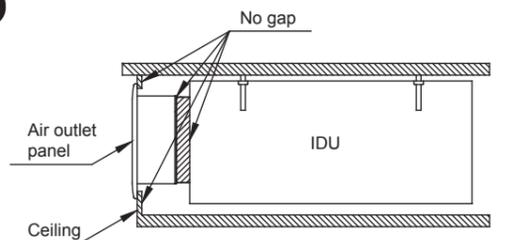
VI. Confirmation after Installation

Whether there is a gap between the air outlet panel and the ceiling.

Whether there is a gap between the air outlet panel and the flange.

Check whether there is a gap between the flange and the IDU.

Note: The gap (if any) may lead to air leakage, condensation, abnormal sound and other problems.



VII. Cleaning of the Air Outlet Panel

1. Wipe the air outlet panel with a dry cloth.
2. If the air outlet panel is extremely dirty, wipe it with a cloth dipped in an aqueous solution of neutral detergent.
 - Do not use gasoline, benzene, volatile agents, decontamination powder and liquid insecticides. Otherwise, the air outlet or panel may de-color or deform.
 - Do not expose the inside of the IDU to moisture, as it may result in electric shock or fire.
 - When cleaning the air guide louver with water, do not scrub it violently.

NOTE CONCERNING PROTECTION OF ENVIRONMENT



This product must not be disposed of via normal household waste after its service life, but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment. Please ask your local council where your nearest disposal station is located.

In case of quality problem or other please contact your local supplier or authorized service center.

Emergency number: 112

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