

1. Safety Instructions

- The device is not recommended to be placed on low thermal conductive surface, for example, plastics.
- Please insert an insulation sheet between the system and product, if the safety distance is < 8mm for D1 (Refer to Fig. 2)
- For (A), (D) orientations, ensure sufficient convection cooling, always maintain a distance of ≥ 30mm for D2 below the device while the device is in operation.
- Installation of forced air, to ensure sufficient air flow, always maintain a distance and air flow direction as recommended in Fig. 5. while the device is in operation.
- Note that the device can become very hot depending on the ambient temperature and load of the power supply. Do not touch the device while it is in operation or immediately after power is turned OFF. Risk of burning!
- Do not touch the terminals while power is being supplied. Risk of electric shock.
- Prevent any foreign metal, particles or conductors to enter the device through the openings during installation. It can cause: Electric shock; Safety Hazard; Fire; Product failure.
- For Protection against shock to Class I with PE (protection earth) and Class II with or without FG (functional ground) product, the two mounting holes (marked B in Fig. 1) need to be connected together to the system's protective earth or functional ground. Pollution degree and EMC performance with different connections please refer to product datasheet.
- Warning: The power supply must be mounted by metal screws onto a grounded metal surface. It is highly recommended that the Earth terminal on the connector be connected to the grounded metal surface.

2. Device Description

Refer to Fig .1.:

Description	PIN No.	Function	Function
		► PJH-24V300WBB □	► PJH-24V300WBC □
① Input connector (CN1)	1	Neutral (N)	Neutral (N)
	2	Line (L)	Line (L)
② Control and Vsb Connector (CN101)	1	GND	GND
	2	5V <sub>sb</sub>	12V <sub>sb</sub>
	3	GND	GND
	4	5V <sub>sb</sub>	12V <sub>sb</sub>
	5	GND	GND
	6	Remote On/Off	Remote On/Off
	7	GND	GND
	8	Power Good	Power Good
	9	Remote Sense of V1(-)	Remote Sense of V1(-)
	10	Remote Sense of V1(+)	Remote Sense of V1(+)
③ Output Connector (CN103)	1	GND	GND
④ Output Connector (CN102)	1	V1(+)	V1(+)
⑤ DC voltage adjustment potentiometer			
⑥ DC OK control LED (Green)			
⑦ Internal fuse is a time lag type, rated 5A / 250Vac. Walter: Type ICP Conquer: Type PTU TR			

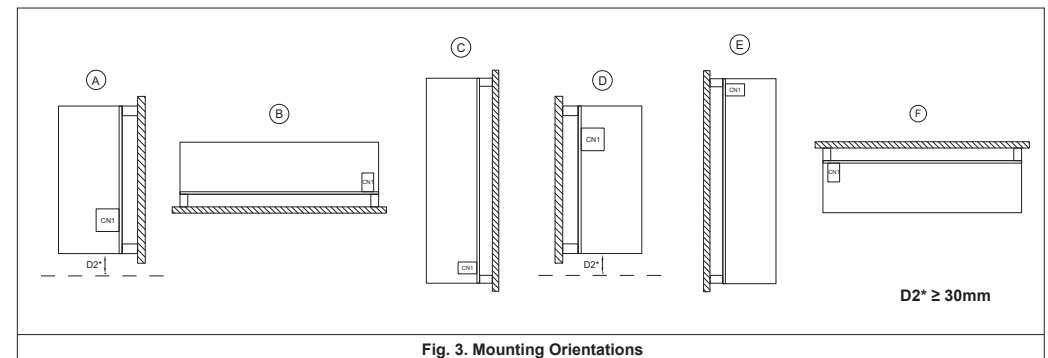
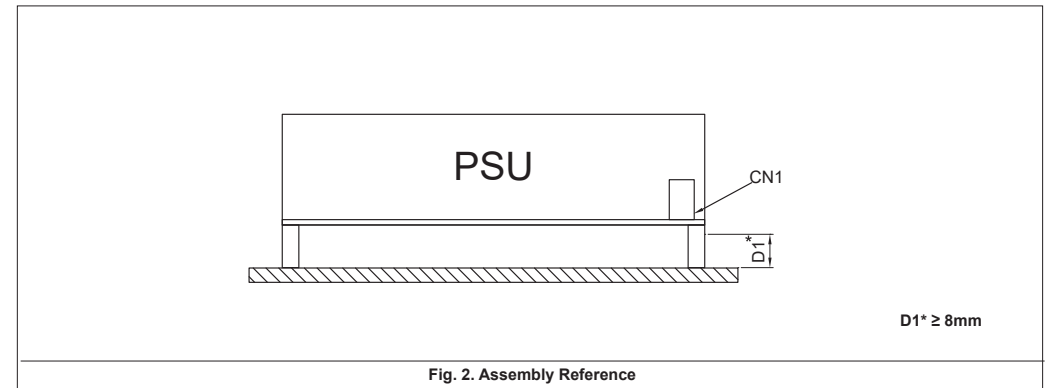
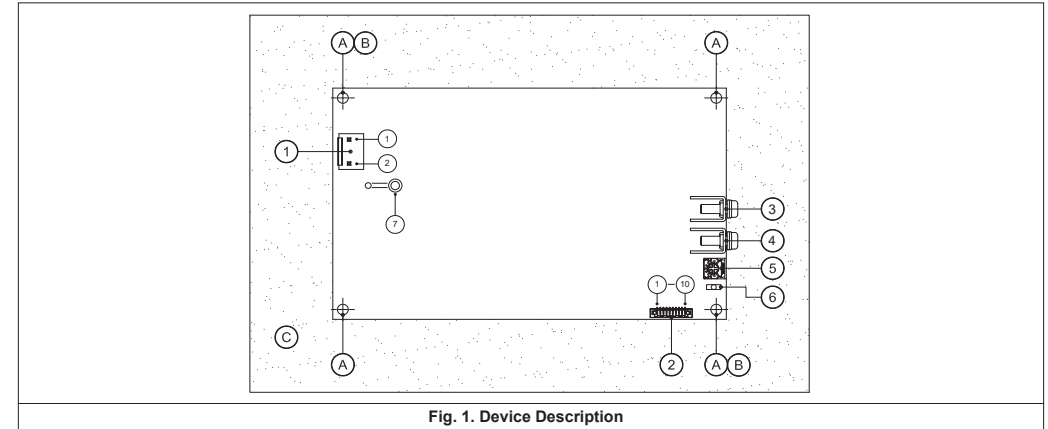
3. Installation of the Device

The unit is protected with internal fuse (not replaceable) at L pin and it has been tested and approved on 20A (UL) and 16A (IEC) branch circuits without additional protection device.

Refer to Fig .1.:

(A)	Mounting holes for the power supply. <sup>1)</sup>
(B)	Mounting holes should be connected to the system's protective earthing (PE) for Class I or functional ground (FG) for Class II. <sup>1)</sup>
(C)	This surface belongs to customer's end system or panel where the power supply is mounted.

<sup>1)</sup> Note: 4 × Ø3.5 Mounting Holes; Ø5.5 Max Dimension of Screw Head. Recommended mounting torque for tightening: 4-8Kgf.cm.



4. Power Derating Curve (Refer to Fig .4)

	PJH-24V300WBC □ (y)	PJH-24V300WBB □ (y)
Forced air cooling	300W = 24V/12.5A. 12V/0.5A 150W = 24V/6.25A. 12V/0A	300W = 24V/12.5A. 5V/1.2A 150W = 24V/6.25A. 5V/0A
Convection cooling	240W = 24V/9.9A. 12V/0.25A 125W = 24V/5.2A. 12V/0A	240W = 24V/9.9A. 5V/0.6A 125W = 24V/5.2A. 5V/0A

5. Connection

		Power Supply Header	Mating Connector	Terminal	AWG
Input (CN1)	JST	B2P3-VH(LF)(SN)	VHR-3N	SVH-21T-P1.1	18
Standby (CN101)		BM10B-SRSS-TB(LF)(SN)	SHR-10V-S	SSH-003T-P0.2	32-28
Input (CN1)	Molex	26-62-4030	26-03-3031	6838 Series	18
Standby (CN101)		104141-1010	104142-1000	104539-8002	32-30
Input (CN1)	JWT	A3963WV2-3P-D	A3963H02-3P	A3963TOP-2	18
Standby (CN101)		A1002WV0-10PS-5E	A1002H00-10P-66	A1002TOP-2	36-28
Output (CN102, CN103)	-	TERMINAL M3 x 0.5	-	-	16-10

6. Installation of Forced Air (Refer to Fig. 5)

► To ensure sufficient air flow, always maintain a distance and air flow direction as recommended in Fig. 5. while the device is in operation.

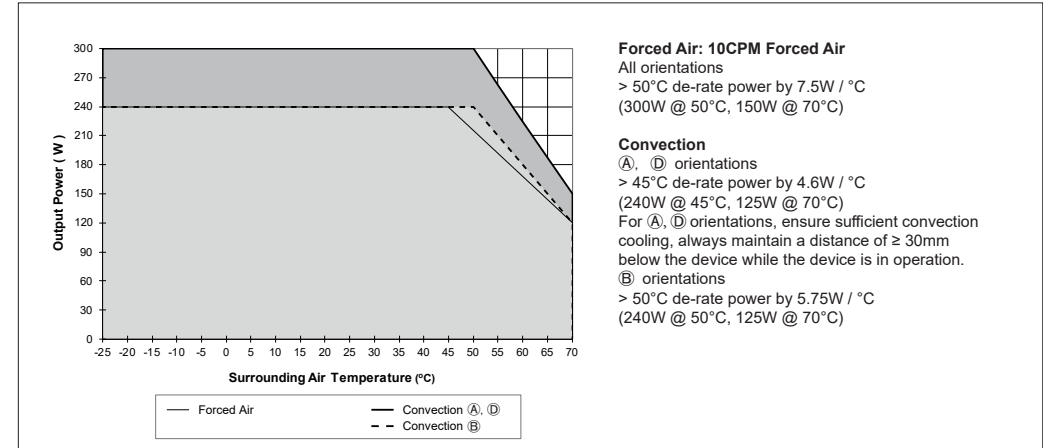


Fig. 4. Power Derating Curve

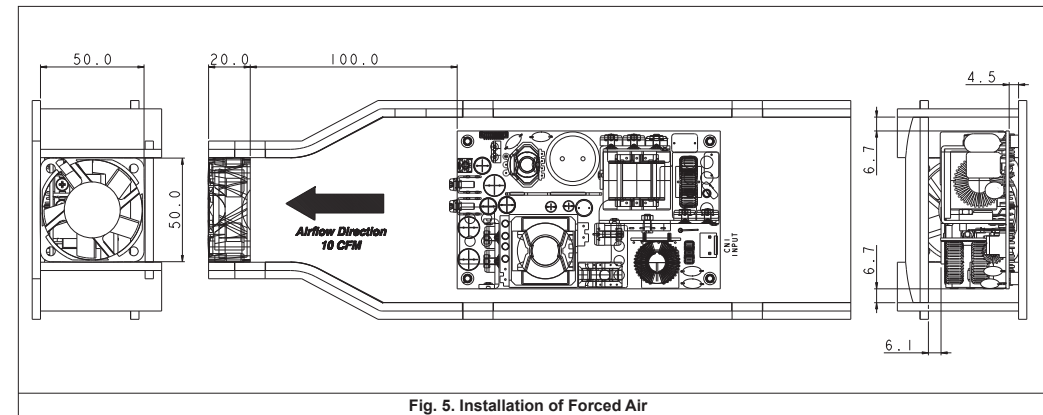


Fig. 5. Installation of Forced Air

1. 安全须知

- 不建议将电源置于低热传导表面诸如塑料之上。
- 出于安全原因，敬请确保安装的电源与其他任何部件或设备保留  $\geq 8\text{mm}$  之安全距离(D1)，如D2安全距离  $< 8\text{mm}$ （参见图2.1），请在系统与产品间插入绝缘板。
- 安装时为确保持强制通风所需的充足气流，电源运行时应始终留出足够空间，气流方向如图4建议。
- 注意，由于电源和负载工作，环境温度可能过高，电源可能发烫。电源运行时或电源关闭之初切勿触碰，小心烫伤！
- 电源供电时切勿触碰电源端口，小心电击。
- 安装过程中谨防任何外来金属、颗粒或传导材料从开口处进入设备，以免引发触电、安全隐患、火灾或产品故障。
- 为使设备在连接保护地线(PE)状态下达到防冲击 Class I 标半年准，或在配备与不配备FG（功能接地）产品状态下达到 Class II 标准，两个安装孔（图1 B 标记处）需一同连接至系统保护地线或功能接地。不同连接之防污染等级与EMC性能敬请参见产品技术参数表。
- 警示：电源供应器必须使用金属螺丝安装于接地金属表面之上，最好将连接器接地端口连接至接地金属表面。

2. 电源说明

参见图1:

说明	PIN 序号	功能	功能
		► PJH-24V300WBB □	► PJH-24V300WBC □
① 输入连接器 (CN1)	1	零线 (N)	零线 (N)
	2	火线 (L)	火线 (L)
② 控制及 and Vsb 连接器 (CN101)	1	零线 (N)	零线 (N)
	2	5V <sub>sb</sub>	12V <sub>sb</sub>
	3	GND	GND
	4	5V <sub>sb</sub>	12V <sub>sb</sub>
	5	GND	GND
	6	遥控开关	遥控开关
	7	GND	GND
	8	电源正常	电源正常
	9	V1(-) 遥感	V1(-) 遥感
	10	V1(+) 遥感	V1(+) 遥感
③ 输出连接器 (CN103)	1	GND	GND
④ 输出连接器 (CN102)	1	V1(+)	V1(+)
⑤ 直流电压调节电位器			
⑥ DC OK 控制 LED (绿色)			
⑦ 内部保险丝为延时型，额定 5A / 250Vac。 Walter: 型号 Conquer: 型号: PTU TR			

3. 电源安装

电源火线端配备内部保险丝（不可拆卸），在不连接外部保险设备之状况下通过20A (UL) 及16A(IEC) 支线电路保护认证。

参见图1:

Ⓐ	电源供应器安装孔 <sup>1)</sup>
Ⓑ	安装孔应连接至系统保护地线(PE)达到 CLASS I 标准，或连接至功能接地(FG)达到CLASS II 标准。 <sup>1)</sup>
Ⓒ	此为为用户终端系统或表面，电源供应器安装此上。

1) 备注：4 × Ø3.5 安装孔：Ø5.5 最大螺帽尺寸。建议旋紧扭力：4-8Kgf.cm

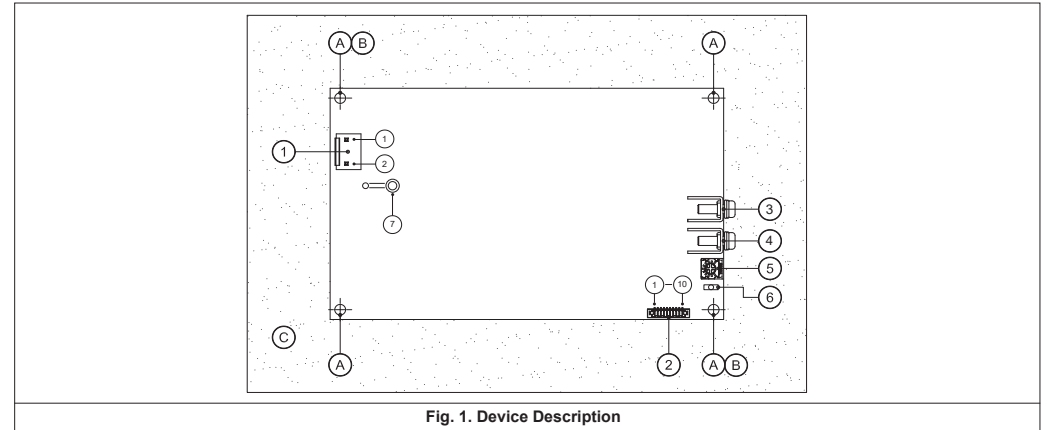


Fig. 1. Device Description

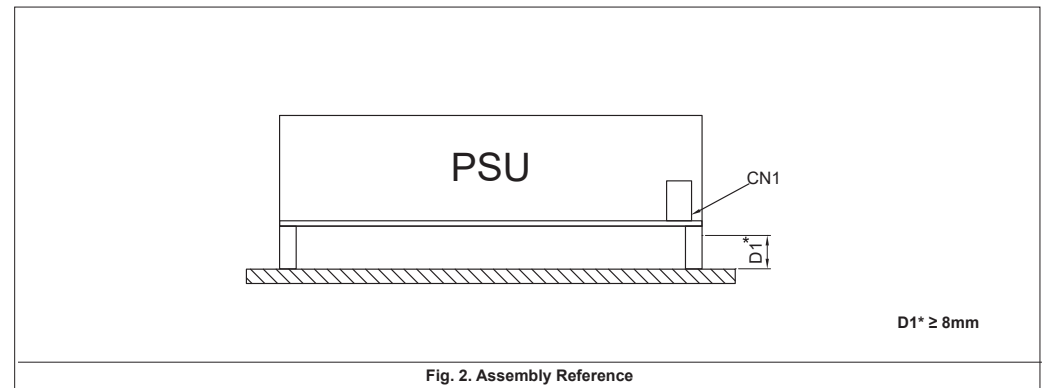


Fig. 2. Assembly Reference

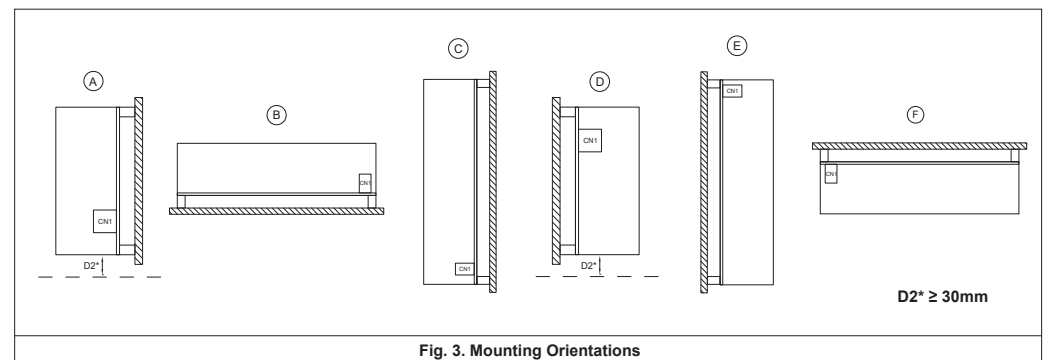


Fig. 3. Mounting Orientations

4. 功率降额曲线 (参见图4)

	PJH-24V300WBC □ (y)	PJH-24V300WBB □ (y)
强制冷却	300W = 24V/12.5A, 12V/0.5A 150W = 24V/6.25A, 12V/0A	300W = 24V/12.5A, 5V/1.2A 150W = 24V/6.25A, 5V/0A
自然对流冷却	240W = 24V/9.9A, 12V/0.25A 125W = 24V/5.2A, 12V/0A	240W = 24V/9.9A, 5V/0.6A 125W = 24V/5.2A, 5V/0A

5. 连接器

		电源供应器针座	匹配连接器	端子台/连接器	AWG
输入 (CN1)	JST	B2P3-VH(LF)(SN)	VHR-3N	SVH-21T-P1.1	18
待机 (CN101)		BM10B-SRSS-TB(LF)(SN)	SHR-10V-S	SSH-003T-P0.2	32-28
输入 (CN1)	Molex	26-62-4030	26-03-3031	6838 Series	18
待机 (CN101)		104141-1010	104142-1000	104539-8002	32-30
输入 (CN1)	JWT	A3963WV2-3P-D	A3963H02-3P	A3963T0P-2	18
待机 (CN101)		A1002WV0-10PS-5E	A1002H00-10P-66	A1002TOP-2	36-28
输出 (CN102, CN103)	-	TERMINAL M3 x 0.5	-	-	16-10

6. 安装强制通风 (参见图5)

- ▶ 电源运行时应始终留出空间以确保充足通风, 通风方向参照图5建议。

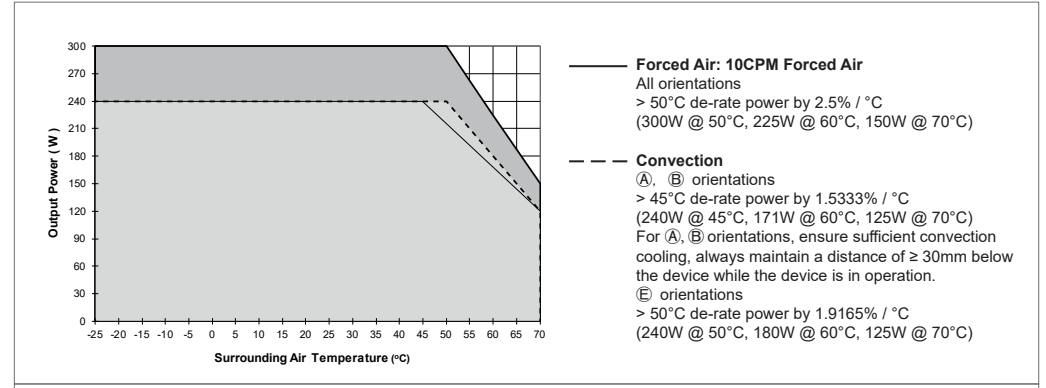


Fig. 4. Power Derating Curve

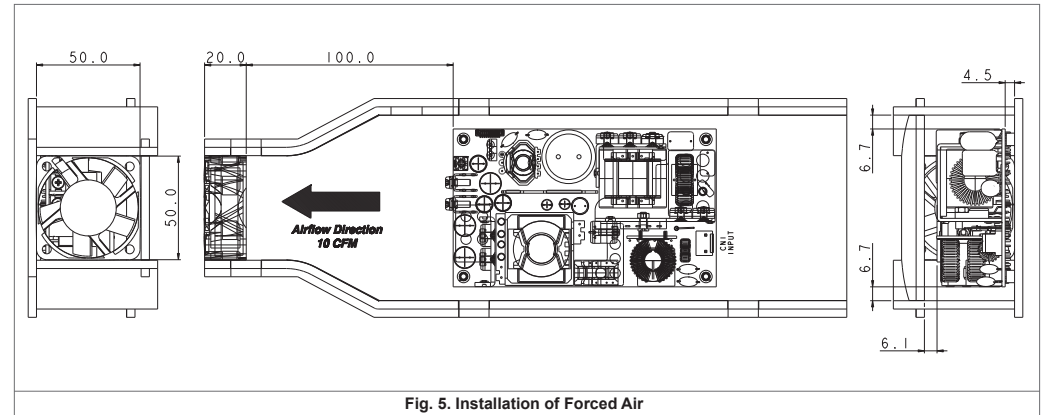


Fig. 5. Installation of Forced Air