Industrial-rated Redundant DC Power Input Adapter

KPW-RDP-7A
KPW-RDP-18A

Installation Guide

DOC.140214

KTI Networks Inc. reserves the right to revise this documentation and to make changes in content from time to time without obligation on the part of KTI Networks Inc. to provide notification of such revision or change.

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TRADEMARKS

Ethernet is a registered trademark of Xerox Corp.

CE NOTICE

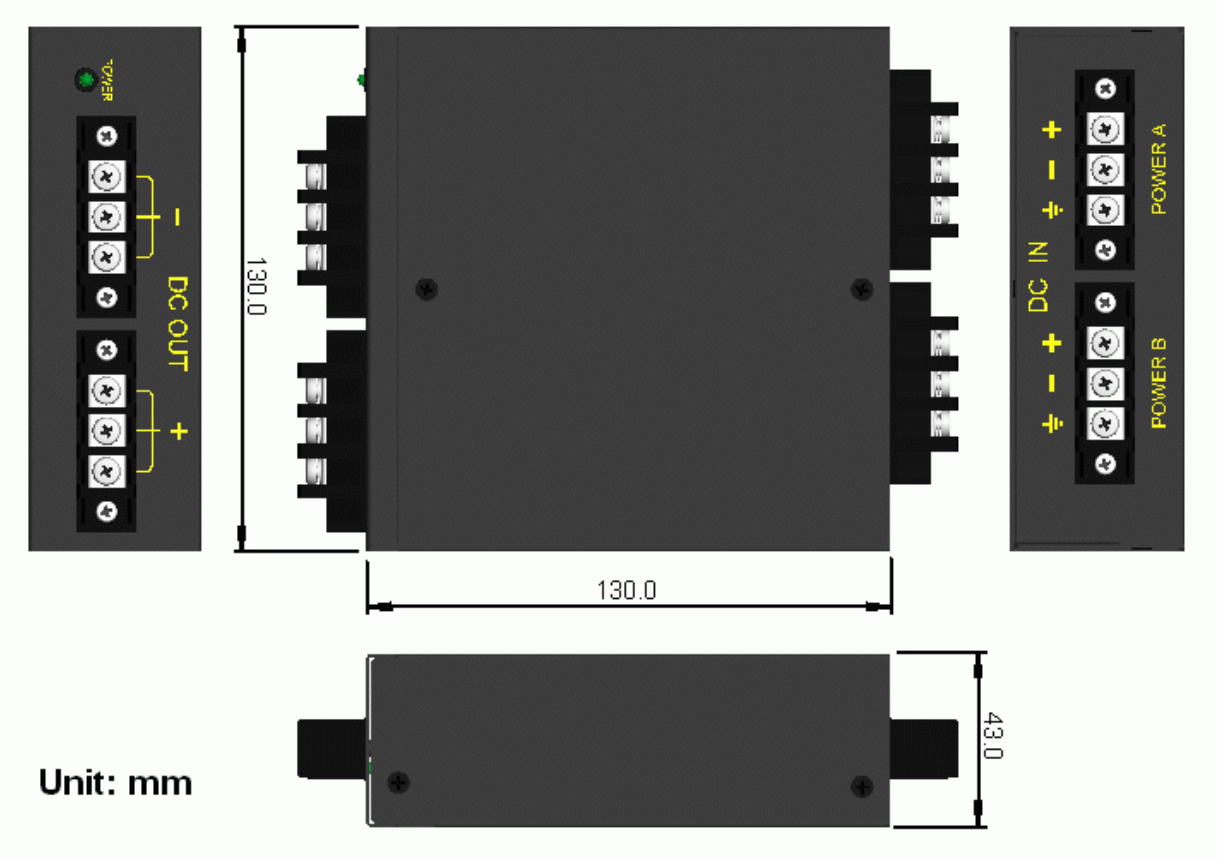
Marking by the symbol indicates compliance of this equipment to the EMC directive of the European Community. Such marking is indicative that this equipment meets or exceeds the following technical standards:

EMC Class A

EN 50081-1

EN 55024

Mechanical Dimension



Model Options

KPW-RDP-7A	Support current of DC power up to 7Amp
KPW-RDP-18A	Support current of DC power up to 18Amp

Specifications

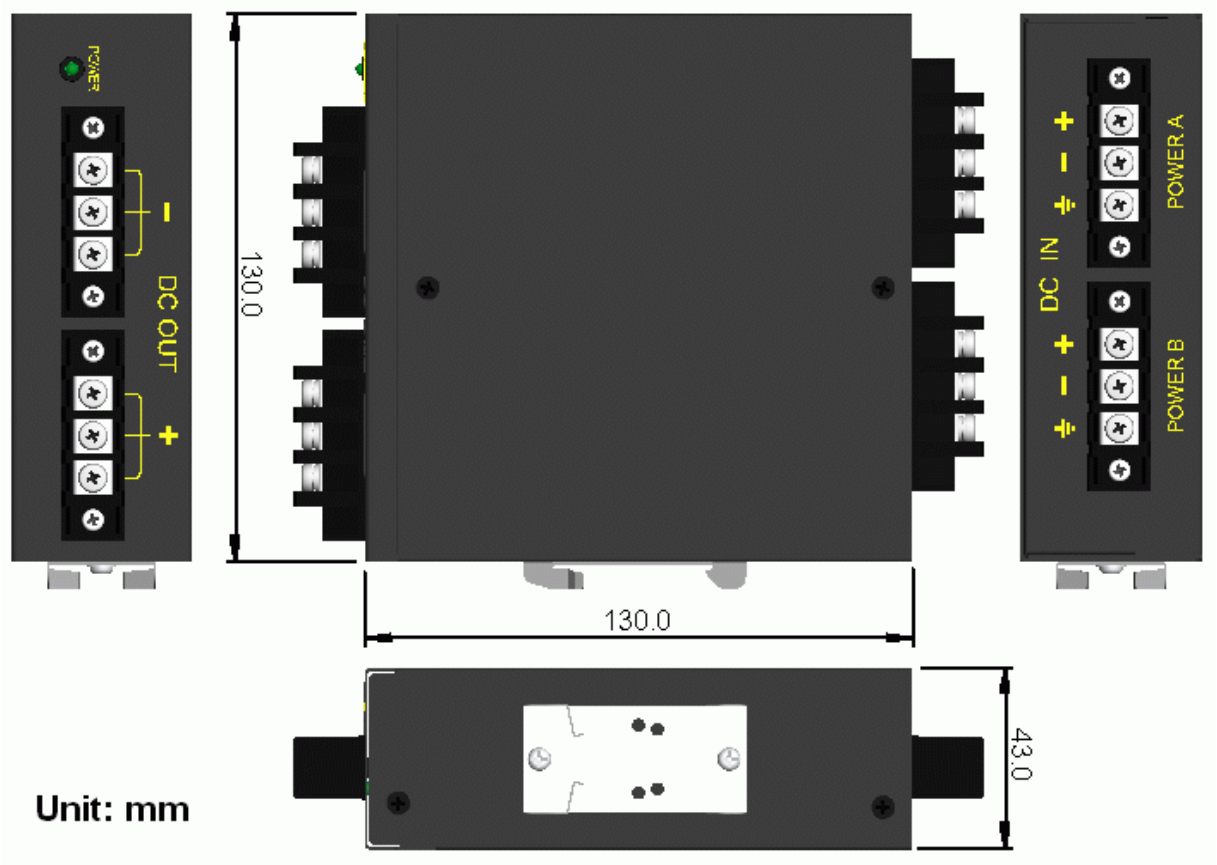
DC IN POWER A	Voltage rating	+12 ~ +62VDC
	Current rating	KPW-RDP-7A: 7Amp max.
		KPW-RDP-18A: 18Amp max.
	Contacts	V_{inA}+ / V_{inA}- / FG
DC IN POWER B	Voltage rating	+12 ~ +62VDC
	Current rating	KPW-RDP-7A: 7Amp max.
		KPW-RDP-18A: 18Amp max.
	Contacts	V_{inB}+ V_{inB}- / FG
DC OUT	Voltage rating	+12 ~ +62VDC
	Current rating	KPW-RDP-7A: 7Amp max.
		KPW-RDP-18A: 18Amp max.
	V_{out}+	3 Contacts
	V_{out}-	3 contacts
LED Indication	DC OUT Power status	

PE Contact	Frame ground	
Protection	Over-current	KPW-RDP-7A: 10Amp max. KPW-RDP-18A: 25Amp max.
Isolation	FG (Frame Ground) vs. DC IN lines: 10MΩ/DC500V, FG vs. DC OUT lines: 10MΩ/DC500V,	
Mounting Support	DIN-Rail mount bracket, Panel mount bracket(Optional)	
Dimension	130mm x 130mm x 43mm (WxDxH)	
Environment	Operating temperature: -30°C ~ +70°C Storage temperature: -40°C ~ +85°C Humidity: 5%~95%RH, non-condensing	
Compliance	FCC Class A CE mark EMC Class A	

Mounting

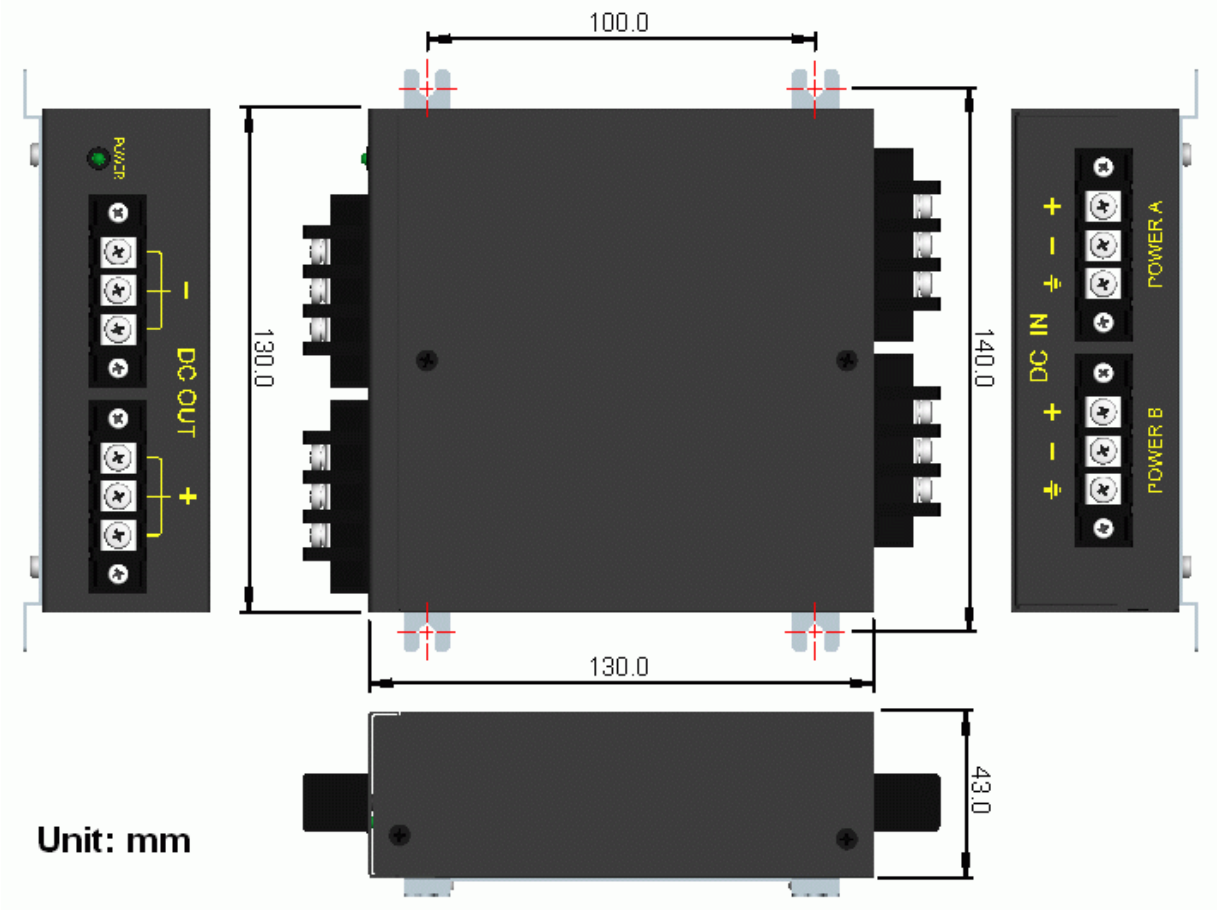
DIN-Rail Mounting

The adapter supports DIN-Rail mounting. Install the supplied mounting bracket as below:

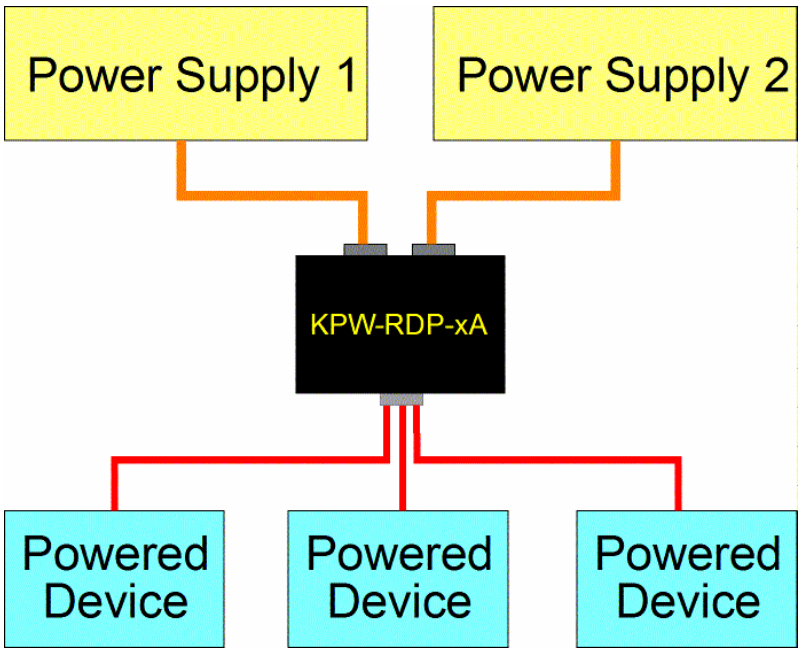


Panel Mounting

To support panel mounting, install the optional mounting bracket as below:

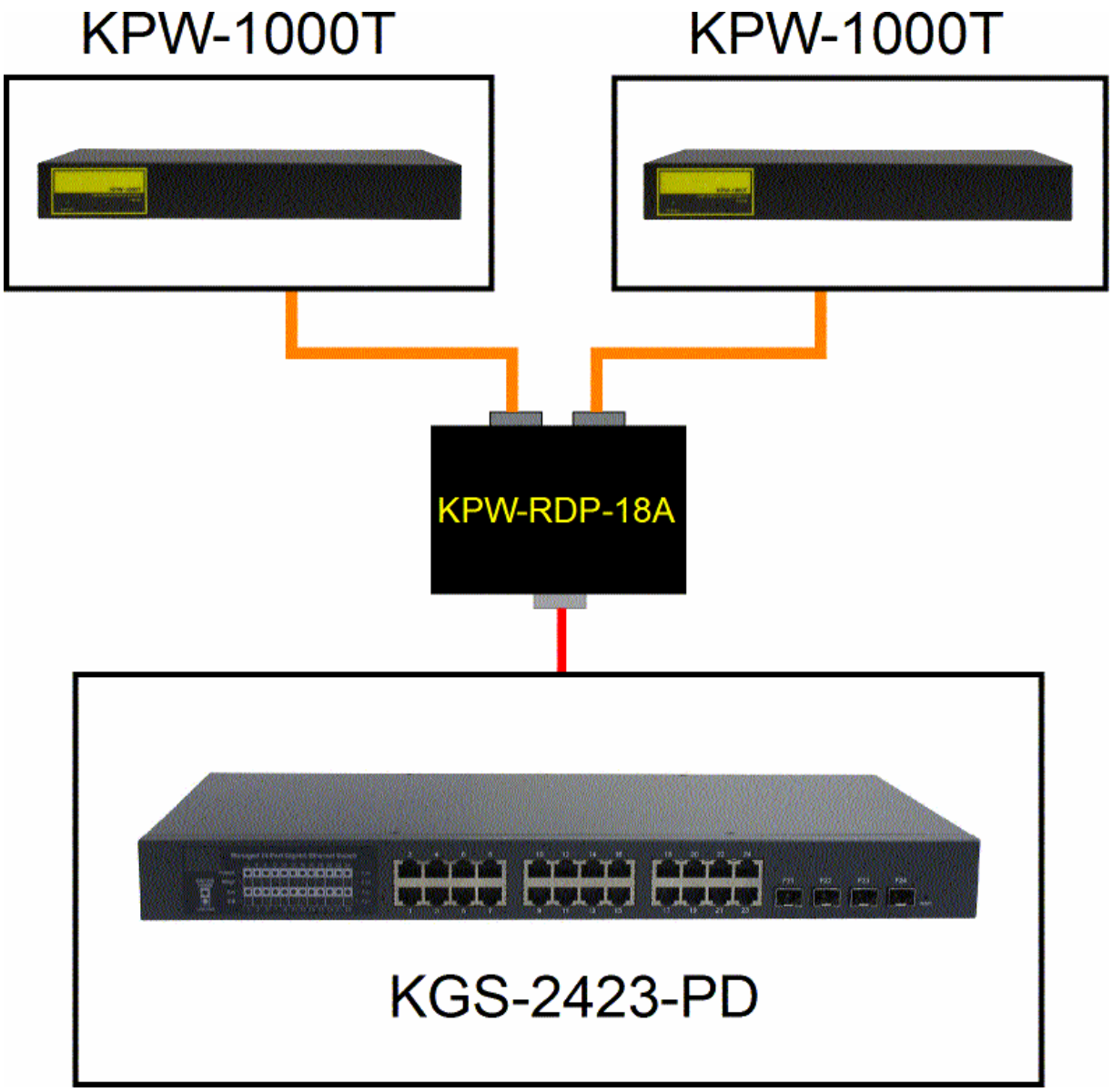


Application



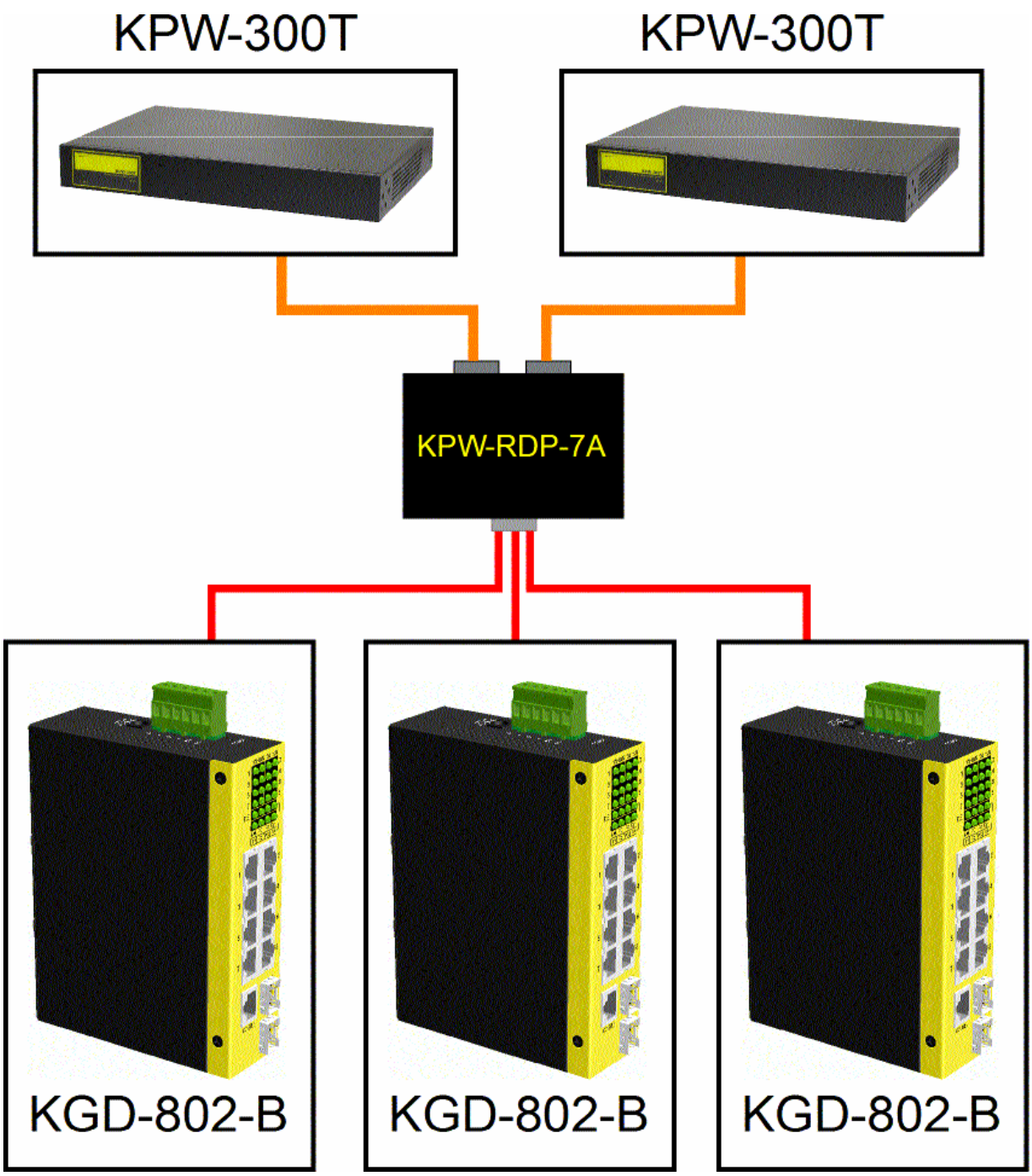
This application shows supplying power to three devices with two redundant power supplies.

Examples



KPW-1000T is 1000W power supply for PoE/PoE+ applications.

KGS-2423-PD is 24-port PoE Gigabit Ethernet switch.



KPW-300T is 300W power supply for PoE/PoE+ applications.

KGD-802-B is PoE Gigabit Ethernet switch.

Safety Cautions

To reduce the risk of bodily injury, electrical shock, fire and damage to the product, observe the following precautions.

- Do not service any product except as explained in your system documentation.
- Opening or removing covers may expose you to electrical shock.
- Only a trained service technician should service components inside these compartments.
- If any of the following conditions occur, unplug the product from the electrical outlet and replace the part or contact your trained service provider:
  - The power cable, extension cable, or plug is damaged.
  - An object has fallen into the product.
  - The product has been exposed to water.
  - The product has been dropped or damaged.
  - The product does not operate correctly when you follow the operating instructions.
- Do not push any objects into the openings of your system. Doing so can cause fire or electric shock by shorting out interior components.
- Operate the product only from the type of external power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your service provider or local power company.