



USER MANUAL

Maintenance Bypass PDU PH 7816

Power distribution unit (PDU) with a manual maintenance bypass for UPS, 16 A. It lets the load be manually transferred to utility power for maintenance or UPS replacement without interrupting the supply. IEC C13 output sockets.

PRODUCT SUMMARY

Reference	PH 7816
EAN	0745604517874
Type	PDU with manual maintenance bypass for UPS
Input voltage	220–240 Vac
Rated current	16 A
Sockets	Main power IEC C20 · UPS input IEC C19 · UPS output IEC C20 · 8 × output IEC C13
Dimensions · weight	155 × 56 × 126 mm (W × H × D) · 0.9 kg

1 Safety

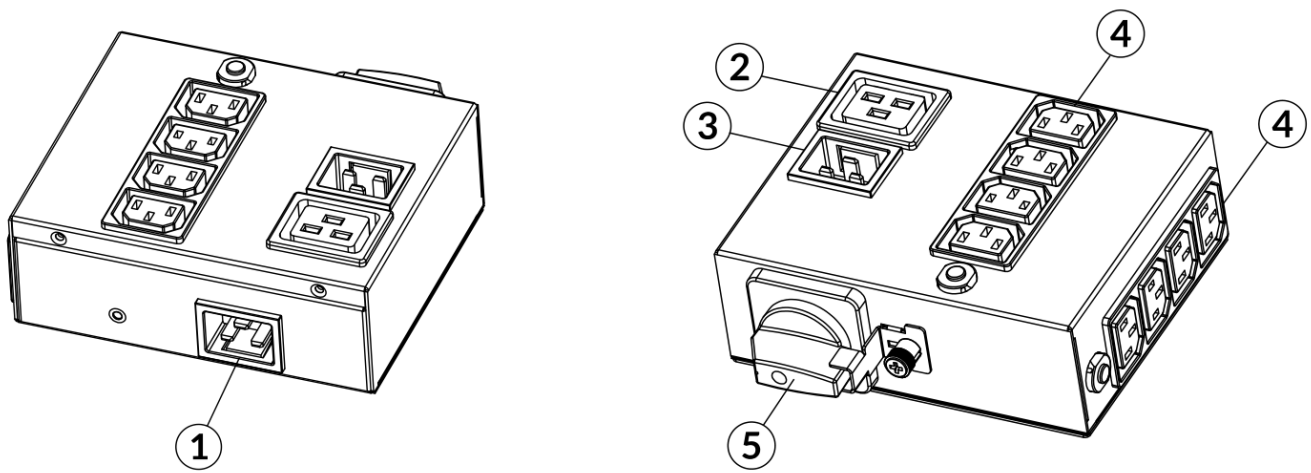
To operate this unit safely, read and follow all instructions carefully. Read this manual in full before unpacking, installing or operating the equipment. Keep this guide for future reference.

- **Indoor use only.**
- Do not place the unit near liquids or in an excessively damp environment.
- Do not expose it to direct sunlight or heat sources.
- Do not let liquids or foreign objects get inside the product.
- Earth the product using a 2P + earth socket.
- When installing the product, make sure the sum of the leakage currents of the product and the equipment it supplies does not exceed 3.5 mA.

2 Introduction

The product is an external power distribution unit (PDU) used together with UPS systems or high-power voltage stabilisers. By means of a bypass switch, it lets the connected equipment be manually transferred to utility power, enabling scheduled maintenance or UPS replacement without interrupting the supply. It therefore provides both a maintenance bypass function and power distribution.

3 Product overview



Views of the PDU showing the location of the sockets and switch.

- ① Socket to utility power.
- ② Socket to UPS input.
- ③ Socket to UPS output.
- ④ Output sockets.
- ⑤ Maintenance bypass switch.

4 Installation

4.1 · Inspection

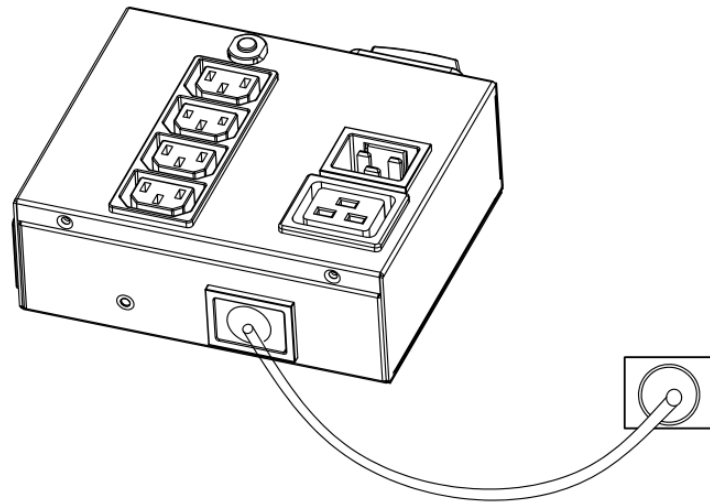
Remove the unit from the packaging and check for any transport damage. If you find any damage, notify the carrier and the place of purchase. The package contains: 1 × PDU and 1 × user manual.

4.2 · Connecting to the wall outlet

Plug the unit's input power cord into the wall outlet.

4.3 · Connecting the UPS

Connect a power cord from the UPS input to the "UPS input" socket on the unit. With another cord, connect the UPS output to the "UPS output" socket on the unit.



Connecting the unit to the wall outlet and the UPS.

5 Operation

Before operating the maintenance bypass switch, make sure the UPS is in bypass mode.

5.1 · Transfer to maintenance bypass

Before transferring to maintenance bypass, make sure the UPS is in bypass mode. Turn the rotary switch from “UPS” to “Bypass”. At that point, all connected equipment is powered directly from utility power. You can now disconnect the two cables connected to the UPS and service it.

5.2 · Return to UPS protection

Once maintenance is complete, reconnect the UPS to the unit following the Installation section. Verify the UPS is in bypass mode and turn the rotary switch from “Bypass” to “UPS”. Turn on the UPS: it will enter line mode and all connected equipment will again be protected by the UPS.

6 Technical specifications

Model	PH 7816
Input	
Input voltage range	220–240 Vac
Input current rating	16 A
Main power socket	(1) IEC C20
UPS input socket	(1) IEC C19
UPS output socket	(1) IEC C20
Output	
Output sockets	(8) IEC C13
Dimensions and weight	
Dimensions W × H × D (mm)	155 × 56 × 126
Net weight (kg)	0.9

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