

PDU16A



1. Presentation

This external bypass (PDU16A) has been specially designed for UPS from 1 to 3 kVA. In Normal Mode, the grid powers the UPS which in turn powers the output load. In Bypass Mode, the output load is powered directly by the grid and the UPS is completely isolated. It can even be removed from the electrical circuit for easy maintenance or even for a replacement.

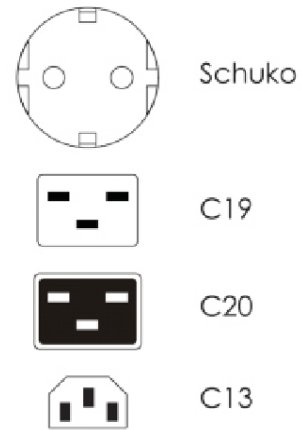
2. Installation

2.1 Inspection

Upon receipt, visually check that the packaging is not damaged. Once the product has been removed from the box, check that the accessories are present as shown in the table below. If you find defects or missing item, contact your dealer or assistance.

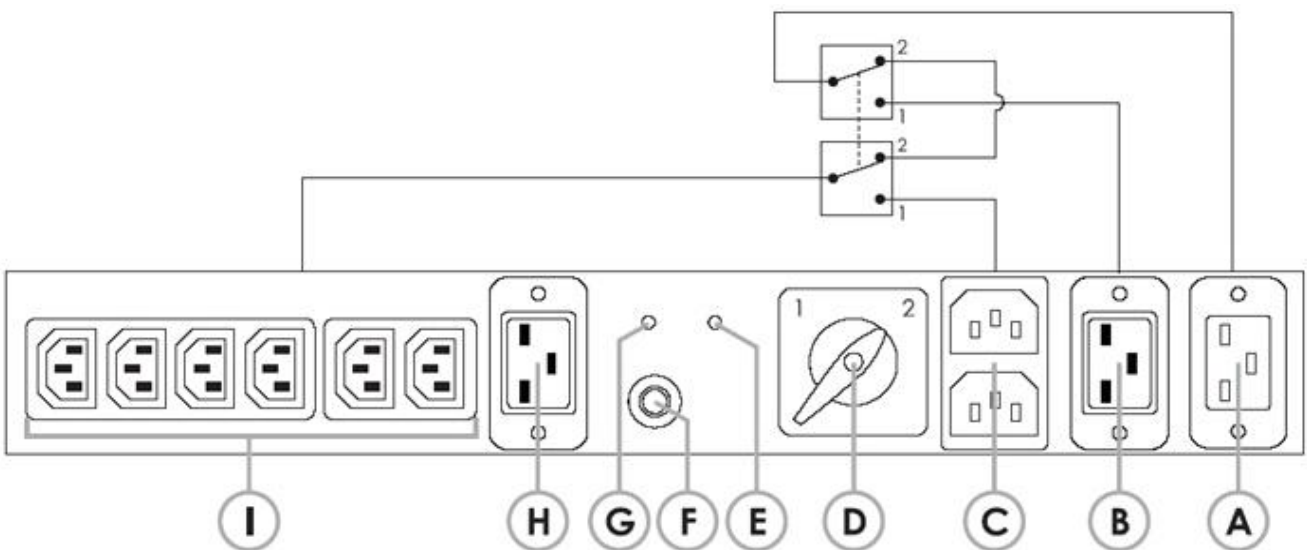
The box content should be the following:

- 1. PDU16A
- 2. User manual
- 3. Fixation brackets
- 4. Cables:
 - Schuko to IEC-C19
 - IEC-C20 to IEC-C19
 - IEC-C20 to IEC-C13



Keep the packaging for future use.

2.2 Overview



A	1× IEC-C20 (16A) input connector: connection to the AC grid
B	1× IEC-C19 (16A) output connector: connection to the UPS input
C	2× IEC-C14 (10A) input connector: connection to the UPS output
D	Rotary switch: used to toggle between Normal Mode and Bypass Mode
E	Bypass LED: indicates that device works in Bypass Mode
F	Resettable circuit-breaker: protects the device from over-currents
G	Normal LED: indicates that device works in Normal Mode
H	1× IEC-C19 (16A) output connector: connection to the output load
I	6× IEC-C13 (10A) output connector: connection to the output load

2.3 Placement

PDU16A can simply be laid on a stable surface. However, it can also be set in a rack cabinet bay or on a wall:

1. Unscrew the four screws on the side of the front panel.



2. Attach the fixation brackets on the front of the PDU16A.



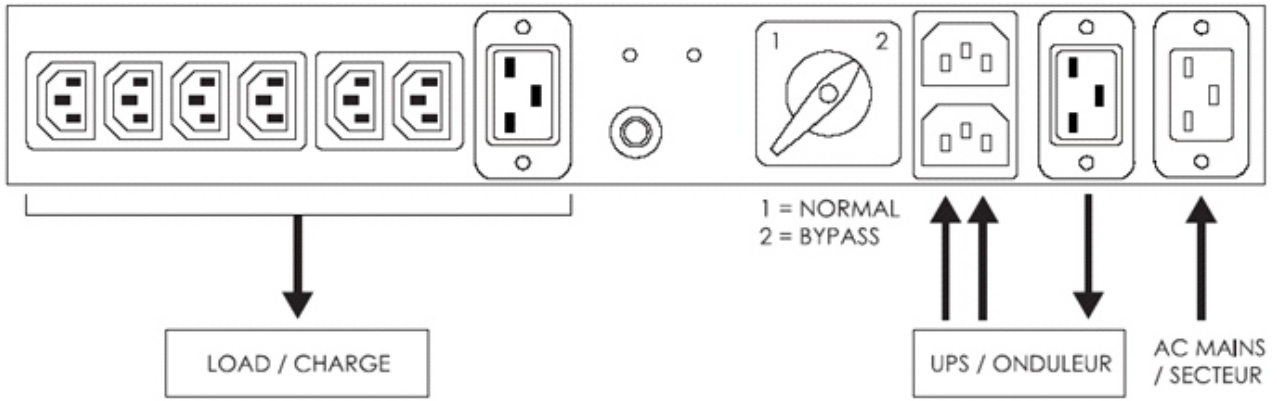
or

3. Attach the fixation brackets on the back of the PDU16A depending on your needs.



2.4 Connection

1. Make sure that the rotary switch (D) is on position “2” (Bypass).
2. Connect the UPS input to the corresponding socket on the PDU16A (B) using either the [IEC-C20 IEC-C19] or the [IEC-C20 IEC-C13] depending on the UPS input connector.
3. Connect two of the UPS outlets to the corresponding PDU16A inlets (C) with two [IEC-C14 | EC-C13] cords (not included).
IMPORTANT: for SAFETY reasons, this connection must absolutely be done with TWO CORDS.
4. Connect the output load to the PDU16A outlets (H & I)
5. Plug the [Schuko IEC-C19] cord on the wall outlet and on the PDU16A input (A)
6. You can now start the UPS and the output load.
7. Move the selector (D) to position “1” (Normal).



NEVER CONNECT MORE THAN ONE PDU16A TO A SINGLE UPS



3. Operation

This device can work in Normal Mode and in Bypass Mode. The rotary switch (D) is used to toggle between these two modes.

3.1 Normal Mode

During Normal Mode, the grid voltage powers the UPS which, in turn, powers the load. If power failure occurs the UPS will use its batteries to keep powering the load.

Toggle the rotary switch to position “1” to operate in Normal Mode.

3.2 Bypass Mode

During Bypass Mode, the grid voltage powers the load directly and the UPS is not powered, it can even be removed from the system. If power failure occurs the load will not be protected by the UPS.

Toggle the rotary switch to position “2” to operate in Bypass Mode.

4. Specification

Voltage	220/230/240 VAC
Current	16 A Max
Input	1× IEC320 type C20 (16A)
Bypass output	1× IEC320 type C19 (16A)
Bypass Input	2× IEC320 type C14 (10A)
Output	1× IEC320 type C19 (16A) 6× IEC320 type C13 (10A)
Dimensions	440 × 180 × 60 mm (1.4 U)
Weight	2.15 kg

5. Warranty

Dear Customer,

Thank you for purchasing a NAICON product. We hope that you be satisfied.

If the product fails in warranty period, please contact your dealer or call +39 02 950031 or go to www.naicon.com/elsist. Before contacting your dealer or authorized service network, we recommend that you read the operating and maintenance manual carefully.

With this warranty, NAICON warrants the product to be free from defective in materials or workmanship for 2 years, as of the original delivery date.

If there are material or manufacturing defects during the warranty period, ELSIST affiliates, Authorized Service Centers or authorized resellers located in the UE region will repair or (at ELSIST discretion) replace the defective product or components under the terms and conditions below, without any charge for labor or spare parts costs. ELSIST reserves the right (in its sole discretion) to replace the components of defective products or low cost products with assembled parts or new or refurbished products.

Conditions.

1. This warranty will be valid only if the defective product is returned together with the sales invoice. ELSIST reserves the right to refuse warranty service in the absence of such documents or if the information contained therein is incomplete or illegible.
2. This warranty does not cover the costs and / or any damages and / or defects resulting from any modifications or adjustments made to the product, without prior written permission from ELSIST, in order to adapt the product to local technical or safety standards in countries other than those for which the product was originally designed and manufactured.
3. This warranty will be void if the model or serial number indicated on the product has been modified, deleted, removed or otherwise illegible.
4. Are excluded from the warranty:
 - Periodic maintenance and repair or replacement of parts subject to normal wear and tear.
 - Any modification or modification to the product, without prior written permission from ELSIST to enhance performance than those described in the User and Maintenance Manual
 - All costs of technical staff support and any transport from the customer's address to Assistance Center and vice versa as well as all the risks involved.
 - Damages due to:
 - a) Improper use, including but not limited to: (a) the use of the product for any purpose other than the intended use or failure to observe the ELSIST instructions for correct use and maintenance of the product, (b) installation or use of the product not complying with the Technical or Safety standards in the country in which it is used.
 - b) Repairs by unauthorized personnel or by the Customer himself.
 - c) Accidental events, lightning, floods, fires, incorrect ventilation or other causes not attributable to ELSIST.
 - d) Defects of the equipment or equipment to which the product was connected.
5. This warranty does not affect the buyer's rights established by applicable national laws nor the Customer's rights to the reseller arising out of the sales contract.

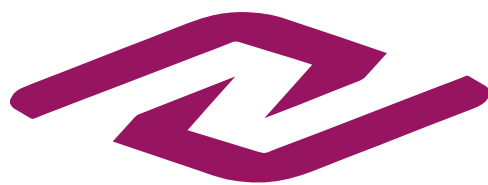
Unless authorized by the manufacturer, reproduction of any part of this manual is prohibited. Our equipment, built with the utmost care and with selected components, is controlled by ELSIST Quality Services. However, if you notice any anomalies, please inform us by calling +39 02-950031 specifying serial number and model of the device, which are printed on the identification plate at the rear side of the UPS. ELSIST Assistance Service is also available to collect requests, comments, suggestions, if any.

In case of failure:

Contact our Customer Service Center at +39 02 95 0031, and verify the product malfunction.

If the products returned to NAICON were OPERATING or if they were delivered without our permission or for out-of-warranty products, they will be returned to the customer by charging a cost that will depend on the country where will be shipped.





Naicon

UNIT



Diloc



Elsist



Naicon srl Via il Caravaggio, 25 Trecella I 20060 Pozzuolo Martesana - Milano (Italy)
Tel. +39 02 95.003.1 Fax +39 02 95.003.313 www.naicon.com e-mail: naicon@naicon.com