

1 Presentation

This external bypass 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.

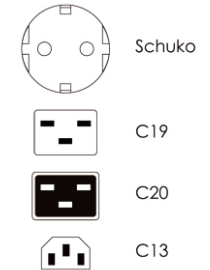
2 Installation

2.1 Inspection

Examine the packing carton for damage upon receipt. Once the bypass has been removed from its shipping container, everything inside the package should be inspected for damage that may have occurred while in transit. Notify the carrier immediately if any damage is observed.

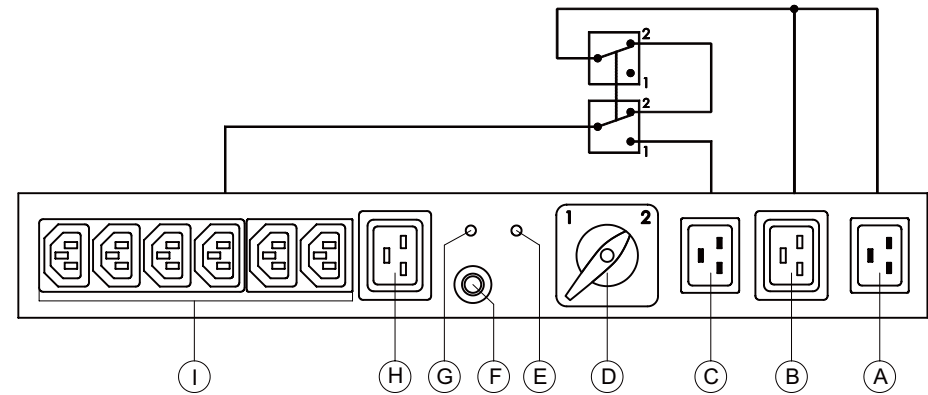
The box content should be the following:

- 1 Bypass
- 1 user's manual
- 2 fixation brackets
- 4 cables:
 - Schuko to IEC-C19
 - IEC-C20 to IEC-C19
 - IEC-C20 to IEC-C13
 - IEC-C19 to IEC-C14



Keep the packaging for future use.

2.2 Overview

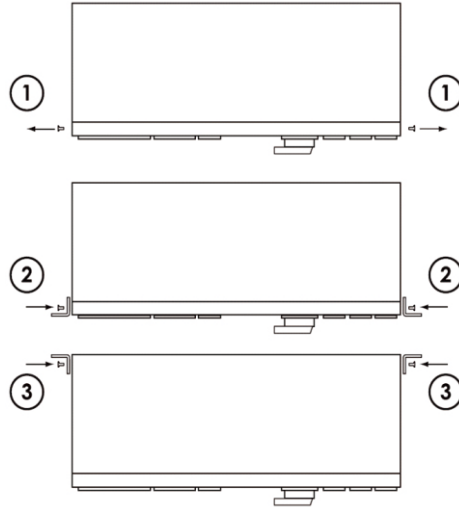


| | |
|---|--|
| A | 1× IEC-C20 (16A) input connector : connection to the AC grid |
| B | 1× IEC-C19 (16A) output connector : connection to the UPS input |
| C | 1× IEC-C20 (16A) input connector : connection to the UPS output |
| D | Rotary switch : used to toggle between <i>Normal Mode</i> and <i>Bypass Mode</i> |
| E | Bypass LED : indicates that device works in <i>Bypass Mode</i> |
| F | Resettable circuit-breaker: protects the device from over-currents |
| G | Normal LED : indicates that device works in <i>Normal Mode</i> |
| 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

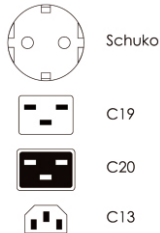
This bypass can simply be laid on a stable surface. However, it can also be set in a rack cabinet bay (2) or on a wall (3):

1. Unscrew the four screws on the side of the front panel
2. Attach the fixation brackets on the front of the bypass
- or -
3. Attach the fixation brackets on the back of the bypass depending on your needs.



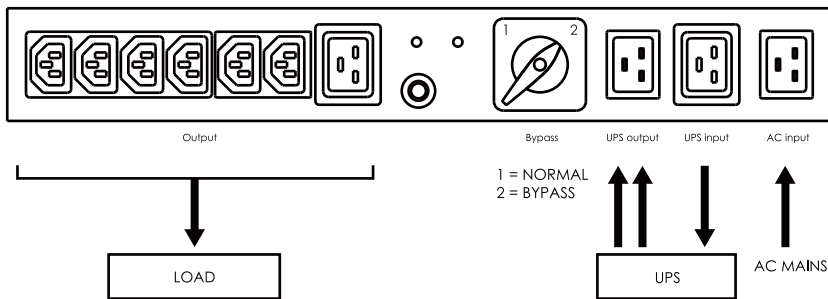
2.4 Connection

- Make sure that the rotary switch (D) is on position "2" (Bypass).
- Connect the UPS input to the corresponding socket on the bypass (B) using either the [IEC-C20 IEC-C19] or the [IEC-C20 IEC-C13] depending on the UPS input connector.
- Connect two of the UPS outlets to the corresponding bypass inlets (C) using either the [IEC-20-IEC-C19] or the [IEC-C14-IEC-C19] cords.



IMPORTANT: for SAFETY reasons, this connection must absolutely be done with TWO CORDS.

- Connect the output load to the bypass outlets (H & I)
- Plug the [Schuko IEC-C19] cord on the wall outlet and on the bypass input (A)
- You can now start the UPS and the output load.



NEVER CONNECT MORE THAN ONE BYPASS 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 | 1 × IEC320 type C20 (16A) |
| Output | 1 × IEC320 type C19 (16A) |
| Dimensions | 6 × IEC320 type C13 (10A) |
| Weight | 440 × 180 × 60 mm (1.4 U) |
| | 2.15 kg |

