



POWER DISTRIBUTION SYSTEM

User Manual

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 **ADAMSON**

User Manual

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This manual must be accessible to the person operating this product. As such, the product owner must store it in a safe place and make it available upon request to any operator.

Resale of this product must include a copy of this manual.

This manual can be downloaded from

<https://adamsonsystems.com/en/support/downloads-directory>

EU Declaration of Conformity

Adamson Systems Engineering declares that the products stated below are in conformance with the relevant fundamental health and safety criteria of the applicable EC Directive(s), in particular:

Directive 2014/35/EU: Low Voltage Directive

914-0002 Power Distribution System 110 V
914-0003 Power Distribution System 230 V

Directive 2014/30/EU: Electromagnetic Compatibility Directive

914-0002 Power Distribution System 110 V
914-0003 Power Distribution System 230 V



Signed at Port Perry, ON. CA - July 23rd, 2021



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Symbols



This symbol alerts the user that there are important operating and maintenance instructions in the literature accompanying this appliance



This symbol alerts the user to the presence of voltages that can cause dangerous electric shock



This symbol alerts the user to the weight of the appliance that can cause muscle strain or back injury



This symbol alerts the user that the appliance can be hot to the touch and should not be touched without taking care and instruction



Safety & Warnings



Read these instructions and keep them available for future reference.

- This manual can be downloaded from:
<https://adamsonsystems.com/en/support/downloads-directory/cs-series>

Heed all warnings and follow all instructions.



- Clean this product with a dry cloth only.
- Protect the cabling from being walked on or pinched.
- Only use attachments and/or accessories specified by Adamson Systems Engineering.
- A qualified technician must be present during the installation and use of this product. Adamson Systems Engineering will not be liable for damages caused by any possible misuse of this product.



- Inspect the product before each use. If any sign of defect or damage is detected, immediately withdraw the product from use for maintenance.



- Refer all servicing of this product to qualified service personnel.



- This product contains potentially dangerous voltages.
- Do not open the unit. There are no user serviceable parts inside this product. Failure to comply voids warranty.



- Do not install this product in wet or humid locations.
- Unplug this product from the power source during lightning storms.



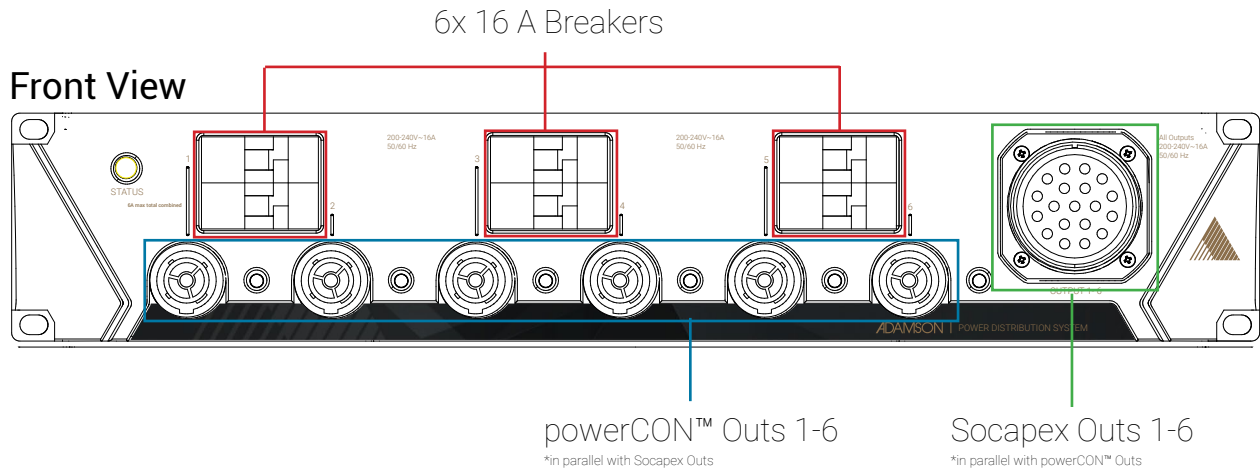
- Do not install this product near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.



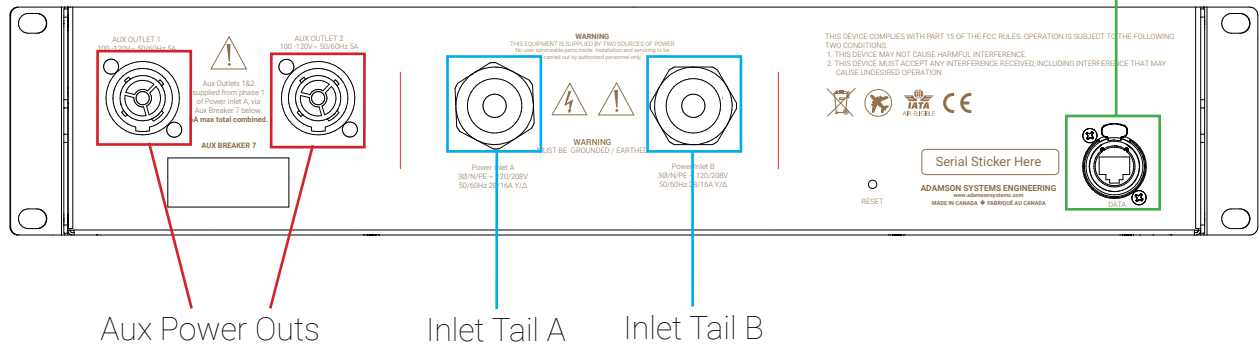
- Be sure to use caution while lifting this product to avoid injury.



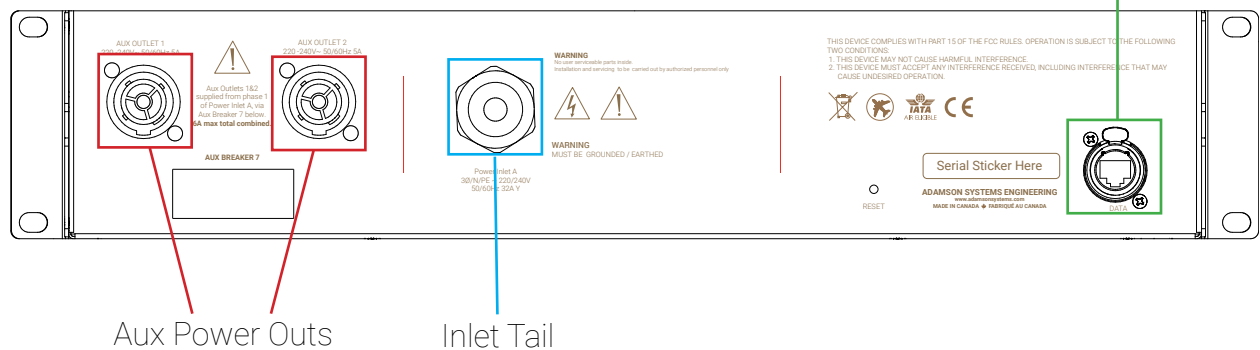
Product Overview



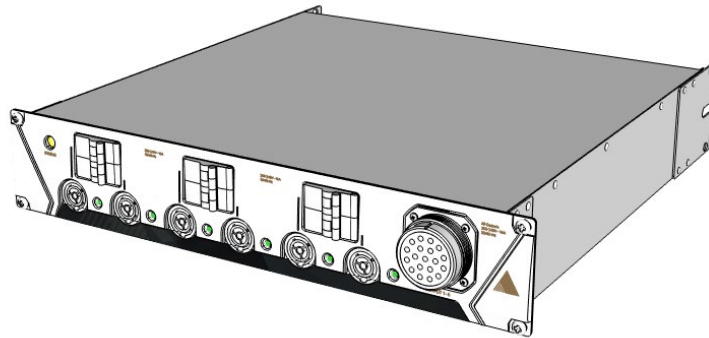
Rear View - 110V



Rear View - 230V



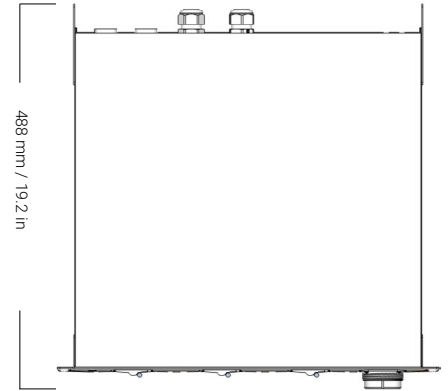
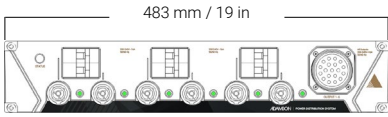
Product Overview



Specifications

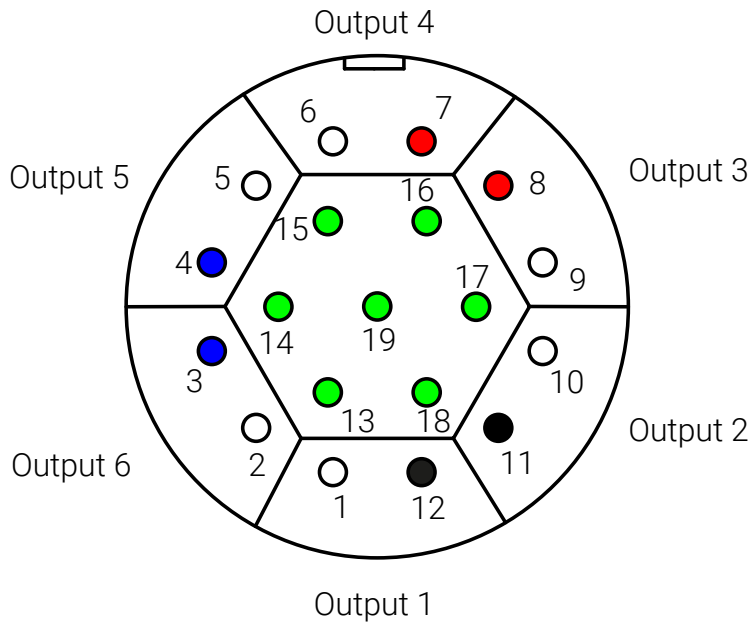
- The PDS (Power Distribution System) provides 6 circuits of 208/240 V, 16 A power. These circuits are supplied in parallel to both powerCON™ and Socapex connections situated on the front panel; ie. circuit 1 powerCON™ equals circuit 1 Socapex, etc. Load only one output per breaker.
- An additional 2x powerCON™ aux outlets are located on the rear panel. Aux outputs are supplied by Phase 1 of Power Inlet A. 6 A max combined draw available.
- The rear panel has a data port to connect to the network in order to allow the PDS to communicate Voltage, Current, and Power consumption levels for each of its outputs over the network for end user monitoring via the AI Software.
- The 230 V version of the PDS (914-0003) is configured with 1x CEE 3-phase tail on the rear of the unit as inlet power; the 110 V version of the PDS (914-0002) is configured with 2x L21-30 tails on the rear of the unit as inlet power. Power is continuously supplied to the 6 circuit breakers of the PDS unless the inlet power tails are completely disconnected from the power source.
- There is a reset pinhole on the back of the PDS. This reset is for the IC processor on the PCB. There is no interruption to the power available on the 6 circuits during the reset process.

Dimensions



Socapex Wiring Diagram

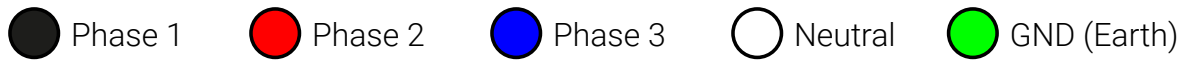
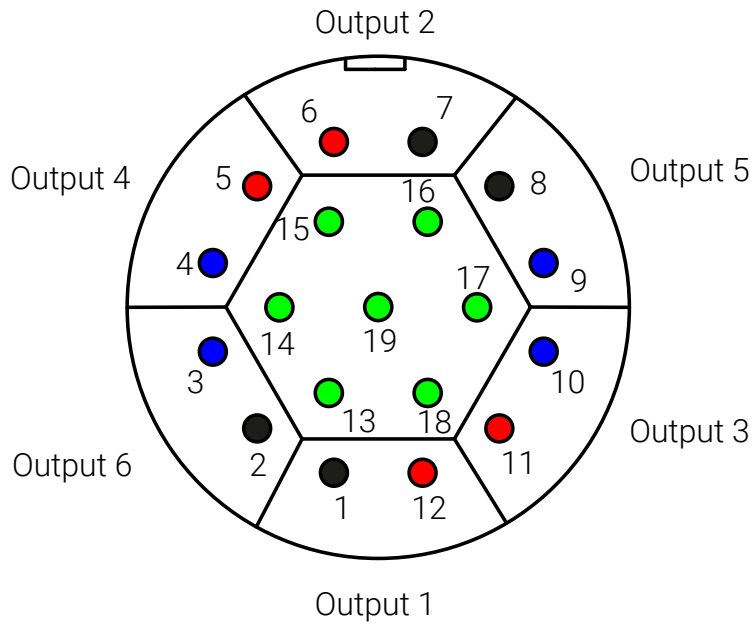
230 V Version



- Phase 1
- Phase 2
- Phase 3
- Neutral
- GND (Earth)



110 V Version



Outputs 1, 3 & 5 are powered from inlet A; output 2, 4 & 6 are powered from inlet B.