

CPS24 Central Power Supply

The CPS24 Central Power Supply provides power to devices on the RS-485 network, including peripherals such as magnetic door locks. It converts 115 VAC 50/60 Hz input into eight independent, fuse protected, 24 VDC trigger controlled outputs, and offers 1.25 A continuous supply current per output. The form “C” dry output relay enables alarm monitoring, HVAC shutdown, and elevator recall; it can also be used to trigger auxiliary devices. Each output will route power to a variety of access control hardware and devices (e.g. maglocks, electric strikes, magnetic door holders, etc.). Fuse protected outputs will operate in both fail-safe and/or fail-secure modes.

CPS24 Central Power Supply Specifications (part no. AGECP02-024)

Input Voltage	115 VAC 50/60 Hz, 1.9 amps
Current	10 amps continuous supply current at 24 VDC
Maximum Charge Current	1.2 amps
Fuses	Output fuses: 3.5 amps Main fuse: 10 amps
Backup Battery	Includes 2 gel type batteries
LED Indicators	Relays energized, FACP disconnect, AC input, DC output
Power Supply Input Options	1 common power input for ACMB and lock power (factory installed) 2 isolated power inputs (external power supply required)
Access Control Input Options	8 normally open (NO) inputs or 8 open collector inputs; or any combination of the above
Output Options	8 Fail-Safe and/or Fail-Secure power outputs, or 8 Form C 5 amp rated relay outputs; or any combination of the above
Power Outputs	8 auxiliary power outputs (unswitched)
Fire Alarm Disconnect Input Options	Normally open (NO) or normally closed (NC) dry contact input; polarity reversal from FACP output circuit
Fire Alarm Disconnect Options	8 outputs affected; or 4 outputs affected, 4 outputs unaffected (50/50 mode)
Dimensions	15.5 x 12 x 4.5" (39.4 x 30.5 x 11.4 cm)

Features

- UL Certified
- Outputs can be configured as dry form “C” contacts
- Short circuit protection with auto reset
- Auto switch over to stand-by battery in event of AC failure
- Removable terminal blocks to facilitate ease of installation
- Unit comes complete with enclosure, cam lock, transformer, and 12 AH backup batteries