The unit combines a 12-VDC, 10-amp power supply connected to a multiple-output power controller, both of which are housed in a wall-mountable, lockable steel enclosure. These components are used to power PremiSys access-control controllers and boards, as well as accessories such as locks, push buttons, etc.

The power supply converts 115-VAC, 60-Hz input to product 12 VDC distributed among eight (8) independently controlled PTC-protected outputs. These power outputs can be wired to operate in fail-safe and/or fail-secure modes.

The unit provides filtered and electronically regulated output, as well as short-circuit and thermal-overload protection with an automatic reset. In addition, it is possible to install optional, sealed gel-cell type or lead-acid backup batteries in the enclosure to provide temporary power in the even of the loss of AC power. The power supply has a built-in charger to charge the backup battery.

Features

- Eight independently controlled fail-safe and/or fail-secure power outputs
- Automatic switchover to optional stand-by batteries when AC fails — zero voltage drop
- Thermal and short circuit protection with automatic reset
- Filtered and electronically regulated output to the power controller
- LED indicators for AC input and DC output
- Room in enclosure for optional 12-AH batteries
- Built-in charger for sealed lead acid or gel-type batteries

Altronix® 10Amp P/S w/8 Isolated Outputs

PREM-PS10ALT

Altronix® 10Amp P/S w/8 Isolated Outputs

Specifications

Certifications

UL: Listed for Access Control System Units (UL 294) - UL File # BP6714
CUL: Listed - Evaluated to CSA Standard C22.2 No. 205-M1983 - Signal Equipment

DIMENSIONS AND WEIGHT

Enclosure Width	12.0 inches (30.5 cm)
Enclosure Height	15.5 inches (39.4 cm)
Enclosure Depth	4.5 inch (11.5 cm)
Enclosure Weight with Power Supply and Power Controller	9.8 pounds (4.4 kg)

Environmental Specifications
CAUTION! This unit is designed for indoor use only.

POWER SPECIFICATIONS
IMPORTANT! This unit provides power-limited output for Class 2, low-voltage devices.

Input Voltage to the Unit	Unswitched 115 VAC, 60Hz, 1.9 A
Output Voltage from the Unit	12 VDC, 10 A total output to 8 independently controlled fail-safe and/or fail-secure power outputs

WIRING REQUIREMENTS
CAUTION! A minimum of 0.25 inch spacing must separate all power-limiting-wiring from non-power-limited wiring (AC input and battery wires).

AC Input	14 AWG (2.08 mm^2) or larger
DC Output	18 AWG (0.823 mm^2) or larger
Power-Limited Circuits	18 AWG (0.823 mm^2) - 22 AWG (0.325 mm^2)

BACKUP BATTERY (OPTIONAL)
Note: Backup batteries must be purchased separately.

Voltage	12 VDC
Capacity	12 AH
Maximum Charge Current	0.7 amp

FUSES

Power Supply	Input fuse: 3.5 amp / 250 V
Power Controller	Main fuse: 10 amp

INDICATORS

Power Supply	One red, single-color LED indicating DC power status One green, single-color LED indicating AC power status
Power Controller	Eight red, single-color LED indicating energized relays One green, single-color LED indicating FACP alarm condition