

- HP600ULACM4
- HP600ULACM8

## Power Supplies with Controllers

### Description

The HP600ULACM4 and HP600ULACM8 are 12 or 24VDC power supplies that include either an HPACM4 or HPACM8 access power controller to be used with card access systems. They provide 12/24VDC through four (4) or eight (8) independently controlled, power-limited PTC protected outputs. They accept inputs from open collector sink or normally open (NO) dry contacts from UL listed security devices such as keypads, card readers, access control systems, PIR's and push button delays. Outputs from the HPACM4 and HPACM8 can switch power on or off at 12 or 24VDC. Each output can be configured to respond to FACP input. The outputs can also be individually selected as isolated dry contacts (Form "C" configuration). The HPACM4 and HPACM8 can be configured for common power, which means the same supply drives both output power and control board power, or alternatively, dual power input, which separates control board power and output power.

### Benefits

- An all in one power supply and distribution unit enclosed in roomy cabinet.
- Transformer thermal protection limits damage from overload circuits.
- LED lights for quick and easy diagnosis, troubleshooting, and status indication.
- Comes fully assembled with accessories included for quick installation.
- Enclosure built for durability and product life.
- Power disconnect switch makes for easy servicing.
- Power cord included and has three conductors for ground safety convenience.
- Instantaneous switchover to standby battery (if equipt) when AC fails, maintaining power to all attached devices without intervention.

### HPACM4 & HPACM8 Specifications

- 12 or 24 VAC/VDC operation (0.6A @ 12V, 0.3A @ 24V current consumption with all relays energized).
- Power Supply Input Options:
  1. One (1) Common power input (board and lock power).
  2. Two (2) isolated power inputs (one[1] for board power, one[1] for lock power).
- Four (4) (HPACM4) or eight (8) (HPACM8) access control system trigger inputs (input allows any combination or normally open [NO] inputs or open collector sink inputs).
- Four (4) (HPACM4) or eight (8) (HPACM8) independently controlled outputs.
- Output Options:
  1. Two (2) (HPACM4) or four (4) (HPACM8) fail-safe and/or fail-secure power outputs.
  2. Two (2) (HPACM4) or four (4) (HPACM8) dry Form "C" 5A rated relay outputs.
  3. Any combination of the above.
- Four (4) (HPACM4) or eight (8) (HPACM8) auxiliary power outputs (unswitched).



- PTC protected outputs are rated at 2.5A, power limited class 2.

**NOTE:** Output current is determined by the power supply, not to exceed 10A total.

- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm Disconnect (latching or non-latching).
- Fire Alarm Disconnect Input Options:
  1. Normally open (NO) or normally closed (NC) dry contact input.
  2. Polarity reversal from FACP signals circuit.
- Fire Alarm Disconnect Output Options:
  1. Four (4) (HPACM4) or eight (8) (HPACM8) outputs affected.
  2. Two (2) (HPACM4) or four (4) (HPACM8) outputs affected, two (2) (HPACM4) or four (4) (HPACM8) unaffected (50/50 mode).
- FACP output relay (Form "C" contact rated @ 1A, 28VDC not evaluated by UL).
- Green LED indicates when FACP disconnect is triggered.
- Removable terminal blocks facilitate ease of installation.
- Board Dimensions:
  - HPACM4: 6"L x 4.5"W x 1.25"H (cm: 15L x 11.3W x 3.2H)
  - HPACM8: 8"L x 4.5"W x 1.25"H (cm: 20.32L x 11.43W x 3.175H)

### Power Supply Specifications

- Input Voltage: 120VAC, 60Hz, 2.5A max.
- Output Voltage: 12VDC or 24VDC (jumper selectable).
- 6.0A continuous supply current at 12VDC or 24VDC.
- Fail safe dry contact output on AC failure (within one minute).
- Built-in charger for sealed lead acid or gel cell type batteries.
- Instantaneous transfer to stand-by battery on AC failure.
- Battery presence detection (within one minute).
- Battery low disconnect at 9.90VDC or 19.9VDC.

- High voltage disconnect at 15VDC or 30 VDC and battery low.
- Fail safe dry contact output for battery trouble (fail safe).
- Battery polarity reversal protection.
- Thermal overload and short circuit protection.
- Yellow LED (L3) indication for battery disconnected.
- DC output PTC activated indicated by red LED (L2).
- DC output failure indicated by red LED (L4).
- AC presence indicated by green LED (L1).
- DC output indicated by red LED (L5).
- Battery leads included.
- Enclosure Dimensions: 13"H x 13.5"W x 3.25"D

**NOTE:** Enclosure accommodates up to two(2) 12AH batteries.

## Listings and Approvals

Listings and approvals below apply to all. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process.

- Listed to Standards UL 294 (Access Control System Units), UL 603 (Power Supplies for use with Burglar-Alarm Systems), and UL 1481 (Power Supplies for Fire-Protective Signaling Systems).
- **UL Listed:** S6677
- **CSFM:** 7300-1637:101
- **MEA:** 114-07-W (correction)

**NOTE:** These units have not been evaluated for elevator equipment and are not authorized for bell output in Mercantile applications.

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.  
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