

Low Voltage Power Supplies

Educational Training Equipment for the 21st Century

Bulletin 416D

Hampden BPS-36/18 AC/DC Power Supplies

Purpose

The **MODEL BPS-36/18P** (portable) and **BPS-36/18F** (flush) Power Supplies are designed for use in Science Laboratories where a source of variable DC voltage (up to 36 volts at 5 amperes) is required, as well as up to 10 amperes at lower voltages. A built in voltmeter provides a continuous indication of output voltage.

Description

Input power of 120V, 60Hz is supplied through a 3-wire, #16 rubber covered cord. Units are energized by means of a keyed switch with associated pilot light. All low voltage supplies are isolated, and, unless otherwise specified, terminate to Hampden high quality, tamper-proof, captive head 5-way binding posts, while the fixed and variable 120V AC outputs terminate to a standard grounding type duplex receptacle. Variable outputs are protected by thermal magnetic circuit breakers.

Each unit is supplied with a set of two (one red, one black) Hampden PC-3 cords, 3 ft. long, having a stacking banana plug on one end and a hooded alligator clip on the other. All units are

guaranteed against electrical and mechanical defects for one year from date of acceptance. Listed by Underwriters' Laboratories, Inc.

Hampden **BPS-36/18P** (or **BPS-36/18F**) provides the following services:

- 0-36V DC 5A (1% RMS)
- 0-18V DC 10A (2% RMS)
- 0-45V AC 5A
- 0-22V AC 10A
- 0-120V AC 3.5A
- 120V AC 10A
- Regulation: 4V NL-FL (either range)

Portable Features – MODEL BPS-36/18P

Designed for use at any convenient location around the lab.

- Power Cord, 5 ft.
- Rubber Feet
- Carrying Handles

Flush Features – MODEL BPS-36/18F

Designed for mounting in the rail of a laboratory table.

- Large grilled openings are provided for continuous cooling
- Power Cord, 2 ft.



MODEL BPS-36/18P

Dimensions: Panel – 11"W x 7⁵/₈"H x 11"D
Shipping Weight: 35 lbs.



MODEL BPS-36/18F

Dimensions: Panel – 13"W x 5¹/₂"H x 8¹/₂"D
Cutout – 12¹/₄" x 5¹/₈"
Shipping Weight: 35 lbs.



MODEL BPSRV-3/12P

Dimensions: 6³/₄"H x 7¹/₄"W x 7¹/₂"D
Shipping weight: 11 lbs.

Hampden BPSRV-3/12P AC/DC Power Supply

Purpose

The **Hampden MODEL BPSRV-3/12P** Power Supply is designed for use in science laboratories where a source of low voltage, low current, regulated, power is required.

Description

Input power of 120V, 50/60Hz, is supplied through a 3-wire, #18 power cord. A power cord storage bracket is located on the rear.

The power supply is energized by a switch/circuit breaker combination, which turns the unit on and off, and also protects the supply from overloads.

The output voltage is indicated on a 1¹/₂", 2% accurate meter, and switch selectable between the 3V and 12V variable DC supplies.

Both outputs are isolated and terminate to Hampden high quality, tamper proof, captive head, 5-way binding posts.

Full output current is available from both supplies simultaneously.

Each unit is supplied with a set of four (two red, two black) Hampden PC-3 cords, 3 ft. long, having a stacking banana plug on one end and a hooded alligator clip on the other end.

All units are guaranteed against electrical and mechanical defects for one year from the date of acceptance.

This unit is available for operation on any voltage and/or frequency.

Specifications

Output Voltages:	Voltage Regulation (L-L):
0.5–3V DC	30 MV NL to FL
0.5–12V DC	Ripple:
Output Currents:	7 MV @ FL
0–1.0 Amps	

All Hampden units are available for operation at any voltage or frequency

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