

FURMAN
PURIFY YOUR POWER

PS-PRO Series II Power Conditioner & Sequencer



PS-PRO II Features:

- *Series Mode Protection (SMP) with extreme voltage shutdown*
- *Linear Filtering Technology (LiFT) with zero ground contamination*
- *Six sequenced rear panel outlets (in 3 groups), two switched rear panel outlets, and one front panel switched outlet*
- *Momentary and Maintained sequencing via rear panel terminal block or front panel switch*
- *BNC connector on the rear panel allows you to attach any standard 12V gooseneck lamp to illuminate the rear of your rack*
- *20 amp rating*
- *Three year limited warranty*

INTRODUCING PS-PRO SERIES II

The latest generation of Furman's legendary power conditioner / sequencer, featuring Furman's exclusive Series Mode Protection (SMP) with Linear Filtering Technology (LiFT).

DESCRIPTION

The most widely recognized and trusted name in AC power conditioning is proud to introduce the PS-PRO II power conditioner / sequencer, featuring Furman's revolutionary SMP technology. Furman's Series Mode Protection (SMP) circuit also features our exclusive Linear Filter Technology (LiFT). Together, these technologies comprise what is, without question, the world's most advanced and comprehensive transient voltage surge suppressor.

SMP (Series Mode Protection)

Furman's maintenance-free SMP surge suppression virtually eliminates service calls. Traditional surge suppression circuits "sacrifice" themselves when exposed to multiple transient voltage spikes, requiring the dismantling of your system, and repair of your surge suppressor. With Furman's SMP, however, damaging transient voltages are safely absorbed, clamped and dissipated. No sacrificed parts, no service calls, no down time.

Unique to Furman's SMP is its unparalleled clamping voltage. Unlike some series mode suppressors, Furman's maintenance free feature is not at the expense of potential equipment failure! While other designs offer clamping voltages that are well above 300Vpk, Furman's SMP clamps at 188Vpk, 133 VAC RMS even when tested with multiple 6000Vpk - 3000 amp surges! This unprecedented level of protection is only available with Furman's SMP technology. Additionally, Furman's trusted over-voltage circuitry protects against all too frequent accidental connections to 208 or 240VAC, by shutting off the incoming power until the over voltage condition is corrected.

LiFT (Linear Filtering Technology)

Unfortunately, traditional AC filter - Conditioners have been designed for unrealistic laboratory conditions. Prior technologies, whether multiple pole filter or conventional series mode, could actually harm audio and video performance more than they help, due to the resonant peaking of their antiquated, non-linear designs. Under certain conditions, these designs can actually add more than 10 dB of noise to the incoming AC line! Worse still, lost digital data, the need to re-boot digital pre-sets, or destroyed digital converters are frequently caused by excessive voltage spikes and AC noise contaminating the equipment ground. Furman's SMP with LiFT takes another approach, ensuring optimal performance through linear filtering and *no leakage to ground*.

PS-PRO Series II Power Conditioner & Sequencer



Gooseneck light sold separately

FEATURES

The **PS-PRO II Power Conditioner/Sequencers** is capable of powering up a rack full of equipment in a 3-step delayed sequence. The sequence is reversed for power-down. The sequence can be initiated with either momentary or maintained switches, locally or remotely. A duplex outlet is provided for each delay step. A front panel screwdriver adjustment sets the delay time for the PS-PRO II. The PS-PRO II also features a locking switch with a removable key for maximum security. One or more Furman PS-PRO II's may be installed in remote locations and operated via low-voltage wiring. The PS-PRO II includes a rear mounted BNC jack which accepts any standard (12VAC, 0.5A) gooseneck lamp for rear rack illumination, as well as a front panel switch which controls the gooseneck's operation.

PS-REL Relay Accessory: Allows a PS-PRO II to be turned on by sensing AC at a preamp's switched outlet; also allows daisy-chaining for 6 or more delayed outlet groups.

THREE YEAR LIMITED WARRANTY

Furman Series II products are protected by a limited three-year warranty covering defects in materials and workmanship.

OPTIONS

Models PS-PRO E II: "E" suffix versions are for use in countries with 220/240 volt AC lines. Furman Power Conditioner / Sequencers use internationally- accepted IEC-320 connectors.

SPECIFICATIONS

Current rating:
20 amps ("E" versions 16 amps)

Operating Voltage:
90 to 140 VAC ("E" versions 180 to 280 VAC)

Over Voltage Shutdown:
140 VAC *typically* ("E" versions 280 VAC *typically*)

Spike Protection Modes:
Line to neutral, zero ground leakage

Spike Clamping Voltage:
188 Vpk @ 3,000 amps, 133 VAC RMS (tested to
UL-1449 6,000 Vpk @ 3,000 amps)

Response time:
1 nanosecond

Maximum surge current:
6,500 amps

Noise attenuation:
10 dB @ 10 kHz
40 dB @ 100 kHz
100 dB @ 10 MHz
Linear attenuation curve from 0.05 - 100 ohms
line impedance

Mechanical:
Dimensions: 1.75" H x 19" W x 10.5" D.
Weight: 11 lbs (5 kg).
Construction: Steel chassis, .125" brushed and
black anodized aluminum front panel; glass epoxy
printed circuit boards

Power Consumption:
6 watts

Safety Agency Listings:
CE, NRTL-C

Patent number: CA1332074 (4,901,183)