FURMAN®

Power Conditioning

POWERLINK

REMOTE SEQUENCER

FEATURES

- Provides 6 sequence control outputs, enabling implementation of a complete sequenced power system
- PowerLink outputs are electrically isolated, normally-closed or normally-open low-power relay contacts
- Each control output has a front panel status indicator
- Each control output has a three position switch allowing it to be part of the sequence, or to be switched on or off independent of the sequence
- On/Off sequence can be initiated from the front panel or remotely, using low voltage control wires
- Front panel key switch for security
- Compact single rack space package
- Three unswitched AC convenience outlets — two on the rear and one on the front

DESCRIPTION

The **PowerLink** is a compact, low-cost rackmount Remote Sequencer that provides timing and switching for up to six power control devices, turning them on and off in a sequenced fashion. The power-down sequence is opposite to the power-up sequence — the last device to be turned on will be the first turned off, etc. The delay interval between sequence steps is adjustable from 0.2 to 10 seconds, via an internal trimpot.

A PowerLink is intended to work with a group of relay-controlled power outlets such as the Furman MiniPort-15 and MiniPort-20, to create a very flexible power control system that can expand to handle as many circuits as needed.

The On/Off sequence can be initiated from the PowerLink itself, or by one or more switches in distant locations.

The outputs of the PowerLink are low power relay contacts, accessible via full-size rear-panel barrier strips. Outputs may be configured to be normally-closed or normally-open by positioning internal “suitcase” jumpers. All input and output commons are electrically isolated to avoid the creation of ground loops.

In any large system whose components present an inductive load to the AC line (including power amplifiers, power supplies and electric motors), sequenced power can avoid excessive inrush currents that can cause circuit breakers to falsely trip.

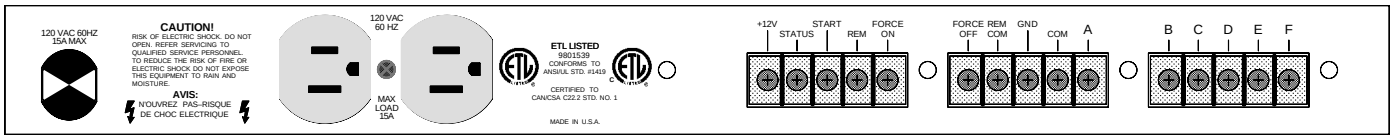
Sequenced power is needed whenever various kinds of equipment must be powered up or down at different times. Also, sequenced power is often necessary to allow turn-on transients from low level preamplifiers and processors to settle down before any power amps or powered speakers are turned on. This is because simultaneous powering can result in a loud, annoying, and potentially destructive “pop” reaching the speakers.

The user has complete control of each of the PowerLink’s outputs. A three-position front panel switch for each control output allows it to be included in the sequence, or to be overridden. Indicator LED’s show when each output is “on.”

While the PowerLink is ideal for controlling MiniPorts, it can also control Furman PowerPorts, PS-PRO or PS-8R Power Sequencers, ASD-120 Sequenced Power Distros, or any other devices that need to be switched when a particular time delay has elapsed. A PowerLink can also control additional PowerLinks, providing complete power sequencing control for even the largest systems.

Furman Sound, Inc. ● 1997 South McDowell Blvd. ● Petaluma, CA 94954 USA
Phone: (707) 763-1010 ● Fax: (707) 763-1310 ● Web: www.furmansound.com

POWERLINK Rear View



Architects and Engineers Specifications

The Remote Sequencer shall mount in a standard 19" rack, and shall occupy one unit (1.75") of rack space.

The unit shall provide six relay-controlled outputs, A through F. Outputs shall be relay contacts configurable as normally-closed or normally-open. On/Off sequences shall be initiated either locally or remotely, as selected with a front-panel key lock switch. When a sequence is started, output states shall change in sequenced order, with an overall adjustable time delay. Off sequences shall reverse the order of the sequence. A three position switch shall be provided for each output, allowing it to be set ON or OFF locally, overriding the sequence. Each output shall have a front panel indicator readable at 20 feet showing the circuit ON status. Two unswitched AC convenience outlets shall be provided on the rear panel, and one on the front panel.

The unit shall be the Furman PowerLink Remote Sequencer.

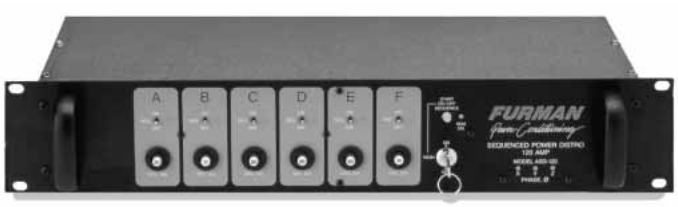
Three Year Warranty

The Furman PowerLink is protected by a limited three year warranty covering defects in materials and workmanship.

Furman ASD-120 Sequenced Power Distro

The **ASD-120 Sequenced Power Distro** allows you to power its six 20 amp, 120V circuits in a user-adjustable, delayed-sequenced fashion. The sequence is reversed for power down.

Each circuit can be set to override the sequence with a front panel switch, as the PowerLink does. An On/Off sequence can be initiated with either momentary or maintained switches, locally or remotely. A key switch is provided for maximum security.



ASD-120

One or more ASD-120's may be installed in remote locations and operated via low-voltage control wiring. The sequence control signals can also control **Furman MiniPorts**, **PowerLinks**, **PowerPorts**, **PS-PRO and PS-8R Power Sequencers**, and other devices. Using one or more ASD-120's can provide the capability of controlling power for an entire system.

The ASD-120's design incorporates four power input busses, accommodating 120V/240V single phase, or 208V three phase voltages.

POWERLINK SPECIFICATIONS

POWER SEQUENCING	Delay Interval: 0.2 to 10 seconds per step (overall time internally adjustable)
REM CONTROL INPUTS	Optically isolated, AC or DC drive, 12K ohm input impedance. Operates at 5-130 VDC. Max 130 VAC from REM COM to chassis. Can use its own internal 12 VDC supply.
SIGNAL RELAY OUTPUTS	Switch contacts internally configurable to normally closed or normally open. Common isolated from chassis and control ground. 130 VAC max from relay common to chassis. Relay can switch 1/2 amp max @ 125 VAC, or 24 VDC.
AC OUTLETS	Three total; two on the rear, one on the front
OTHER	Power Requirement: 120 VAC, 50/60 Hz. Power Consumption: 8.4 watts Mechanical: Weight: 5.5 lbs (2.5 kg) Dimensions: 1.75" H x 19" W x 7.125 " D (4.4 x 48.3 x 18 cm) Construction: Steel chassis, zinc chromate plating; .125" brushed and black anodized aluminum front panel. Safety Information: ETL/CETL listed.

The PowerLink is manufactured in the United States of America