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# Furman CN-1800S Power Conditioner-Sequencer



## AC Voltage Input Range

- 90-139VAC, 50/60Hz

## Maximum AC Current Rating

- 15 amps (Thermal breaker)

## AC Cord

- 3/14AWG, 10 feet, black, fixed, NEMA 5-15P plug

## AC Receptacles

- Rear Panel Outlets: 2 Unswitched NEMA 5 15R’s (1 duplex), 6 Sequenced NEMA 5-15R’s (3 duplexes each controlled by separate relay)
- Front Panel: One NEMA 5-15R Convenience Outlet, Unswitched

## Surge/Under-Overvoltage Protection

- AC Surge Protection: SMP
- Spike Protection Mode: Line to neutral, zero ground leakage
- Spike Clamping Voltage: 188VAC peak @ 6,000 volts/3,000 amps
- Response Time: 1 nanosecond
- Maximum Surge Current: 6,500 Amps
- AC Undervoltage Protection: EVS, 77VAC+/-3VAC
- AC Overvoltage Protection: EVS, 145VAC+/-5VAC
- AC Overvoltage Reset Modes: Manual and Auto-reset (configurable)

## AC Filtering

- LiFT
- Noise Attenuation: Linear, 10dB @10KHz, 40dB@100KHz, 50dB@500KHz

## Operating Temperature Range

- 5C (40F) to 40C (105F) degrees

## Humidity Range

- <90% rH (Relative Humidity)

## User Interface

- Key-switch: Front panel, 3-position key-switch (On, Off, Remote)
- Keys: Included, 1 pair
- Push-button Switch: Front panel, hidden by security cover
- Circuit Breaker: Front panel, push-button, 15A Thermal Breaker
- Front panel diagnostic indicators: Primary link, Secondary link, Ethernet, Remote off, Delay 1, Delay 2, Delay 3, Power, Protection OK, Extreme Voltage
- Front Panel DIP Switches: Front panel. Hidden by security cover, 1 Minute Delay, 2 Minute Delay, 4 Minute Delay, Force Off NO/NC, 12V Mode On/Off BND Mode On, Momentary/Maintained, Primary/Secondary, EVS Reset Auto/Manual
- Potentiometer: Front panel, hidden by security cover, fine tune delay adjust

## Control/Status/Triggering (Rear Panel):

- Remote Terminal: +5-30VDC In, 12VDC (12mA) Out
- SmartSequencing: Phoenix 4-Pin Connector, Screw Terminals, Primary & Secondary Links (Current Loop – 1000’ nominal)
- Remote Terminal: Phoenix 4-Pin Connector With Screw Terminals; +12V, STAT, REM, GND (Class 2 Wiring)
- Force Off/Delay 3 Terminal: Phoenix 5-Pin Connector With Screw Terminals, FORCE OFF, DELAY 3 (Class 2 Wiring)

- RS-232 Compatible: Yes, DB-9 Connector
- IP Addressability: Optional, via BB-RS232 Ethernet/RS-232 Adapter (sold separately) for IP control via Telnet, HTTP, BlueBOLT®
- Voltmeter: Available with RS-232/Ethernet option, ± 2VAC accuracy
- Ammeter: Available with RS-232/Ethernet option, ±1A accuracy

## Power Consumption (No Load):

- 10 Watts

## Safety Agency:

- NRTL-C, RoHS Compliant

**SKU:** 3668

**Categories:** Power Conditioners, Recording Equipment

**Tags:** Surge Protectors

**Product Short Description :**

Call us at 800-478-1994 for all your Furman Contracting needs with sequencers and remote ports; CN-1800S, CN-2400S, CN-15MP and CN-20MP. This product is not allowed to be sold online by authorized Furman dealers, so please call for pricing and availability.

Designed for Commercial A/V Installers, the CN-1800S combines robust control capabilities via SmartSequencing™ Technology, advanced AC protection, AC noise filtration, and optional compatibility with the BlueBOLT® Remote Power and Energy Management Platform (BB-RS232 adapter required, sold separately).

The new CN-1800S is one of the first products to feature Furman's SmartSequencing™ technology, which allows large and complex A/V systems to be safely powered on and off with a simple press of a button or turn of a key, even by nontechnical personnel. SmartSequencing's bidirectional communications between installed units enables a primary unit to control and sequence multiple secondary units, ensuring multizone electronic systems are powered on and off safely and dependably from a single control point across an entire installation. Units can be connected via current loop at runs of more than 1,000 feet with backwards compatibility with Furman's legacy sequencers.

In addition, the CN-1800S offers robust control options, equipped with RS-232 ports and command sets for integration with control systems. An optional RS-232-to-Ethernet adaptor (sold separately) adds full IP-addressability to the unit, allowing it to be controlled, programmed, and monitored from a smartphone, tablet, PC, or any Web-enabled device via Telnet, direct HTTP connection, or Panamax/Furman's BlueBOLT®-hosted remote power and energy management platform.

**Product Gallery:**





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