

CN-1800S and CN-2400S SmartSequencer™ Application Guide

Contractor Series SmartSequencers

Intelligent Power Management Solutions For Professional A/V Integrators

Furman's SmartSequencers™ combine AC power protection, filtration, multi-zone power distribution and sequential system startup/shutdown in a 1RU, 120VAC, rack-mount unit. Featuring SmartSequencing™ technology, the CN-1800S (15 amp capacity) & CN-2400S (20 amp capacity) allow large and complex A/V systems to be safely powered up and down with a simple press of a button or turn of a key, even by non-technical personnel. From small systems that require simple sequenced startup and shutdown to expansive multi-zone, multi-rack, and even multi-building installations, Furman's SmartSequencers deliver tremendous installation flexibility to integrators and maximum ease of use to their clients. Even the most complex systems, with dozens to hundreds of components can be easily powered on and off easily, with adjustable delays during the power-up process to allow audio transients and current inrushes to settle - avoiding damage to equipment or tripping at circuit breakers. This sequence is reversed on power down so systems may be shut down gracefully. In addition, both models feature Furman's trusted Series Multi-Stage Protection (SMP), Extreme Voltage Shutdown (EVS) and Linear Filtering Technology (LiFT), ensuring maximum system performance and longevity with zero downtime from power related issues.

Multiple Communication/Control Options For Installation Convenience & Flexibility

SmartSequencing's bi-directional communications between installed units enables a primary unit to control and sequence multiple secondary units, ensuring multi-zone electronic systems are powered on and off safely and dependably across an entire installation. Units can be connected via current loop at runs of over 1,000 feet with full backwards compatibility with Furman's legacy (and third party) sequencers.

Both models are RS-232 compatible with a robust control/query command set for PC control or control system integration. An optional RS-232-to-Ethernet adaptor (sold separately) allows the units to be locally or remotely 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.

Beyond the convenience of control system integration, optional connectivity to the BlueBOLT cloud adds a tremendous layer of value to clients concerned with energy monitoring, management, reducing utility bills, and lowering emissions/carbon footprint.

Example One

Small Corporate Training Auditorium

In this example, power is sequenced across a small auditorium at a corporate training facility. Similar applications would be small performance venues, houses of worship, or college classrooms. The system is powered on from a push-button or keyswitch at the speaker podium, which powers on local DSP equipment installed behind the podium. Once this is powered on and current/signal transients are settled, power is triggered for amplifiers located in an equipment room across the auditorium to power on sequentially.

