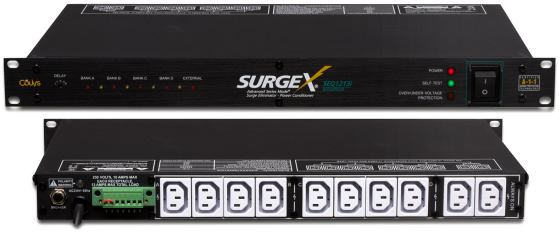
Sequencers



Program, sequence, protect, and condition your system's power

Sequencing is needed when various types of electronic equipment must be powered up or down in order, rather than simultaneously. In AV systems, sequencing is often necessary for controlling the distribution of mains power to avoid equipment damage.

SurgeX Sequencers provide the sequencing parameters, conditioning, shutdown thresholds, and surge protection needed to safeguard audio, video, broadcast, and computer equipment. These units have robust management features and are extremely easy to install, program, and use. They include two always-on receptacles and four programmable banks. The SEQ models feature one "virtual" bank for controlling remote units, allowing for infinitely expanding distribution schemes.

They are engineered with Advanced Series Mode surge elimination technology to provide top-of-the-line protection. Superior to conventional MOV circuitry or MOV-Hybrid designs, they completely eliminate surge energy up to 6,000 volts without producing harmful side effects such as earth contamination or common-mode disturbances. Completely non-sacrificial and never needing reset, they provide the most reliable protection available. Our Sequencers also feature both common mode and normal mode Impedance Tolerant EMI/RFI filtering, SurgeX ICE (Inrush Current Elimination), and COUVS (Catastrophic Over/Under Voltage Shutdown) for a complete mains power conditioning solution.

Features:

- Advanced Series Mode® surge elimination technology
- Four sequenced banks of two receptacles; two always-on receptacles
- Setup stored in nonvolatile memory
- Impedance Tolerant® EMI/RFI filtering
- Over/Under Voltage Shutdown
- SurgeX ICE® (Inrush Current Elimination)
- Can be used to control other SurgeX products or daisy-chained with other SEQ sequencers (SEQ)

	Model Number	Plug Configuration		Description
		Input	Output	
	SEQ-1213i	BS1363	(10X) IEC	Programmable Sequencer Surge Eliminator, 1U, 13A/230V

BS1363

Suitable for:

UK
Ireland
Sri Lanka
Bahrain
UAE
Qatar
Yemen
Oman
Cyprus
Malta
Gibraltar
Botswana
Ghana
Hong Kong
Macau
Brunei
Malaysia
Singapore
Indonesia
Kenya
Uganda
Nigeria
Mauritius
Iraq
Tanzania
Saudi Arabia

Sequencers

Technical Specifications	SEQ-1213i
Load Rating	13 Amps @ 230 Volts, 50Hz/60Hz (single phase)
Power Requirement (no load)	15 Watts
Number Of Sequenced Banks	4 (2 receptacles each bank)
Number Of Always On Receptacles	2
Surge Let-through Voltage (6000 Volt surge)	0 Volts
Safety Certification	IEC/EN 61643-1
Performance Rating	Grade A, Class 1, Mode 1
EMI/RFI Filter, Normal Mode (50 Ohm load)	40 dB @ 100 KHz, 50dB @ 300 KHz, 50 dB @ 3 MHz, 50 dB @ 30 MHz
EMI/RFI Filter, Common Mode (50 Ohm load)	18dB @ 300 KHz, 30 dB @ 1 MHz, 50 dB @ 5 MHz, 50 dB @ 20 MHz
Maximum Applied Surge Voltage	6000 Volts *
Maximum Applied Surge Current	Unlimited (due to current limiting) *
Maximum Applied Surge Energy	Unlimited (due to current limiting) *
Endurance (C62.41-1991 category B3 pulses)	1 KV > 500,000; 3 KV > 10,000; 6 KV > 1000
Undervoltage Shutdown	180 Volts (Auto resetting)
Overvoltage Shutdown	280 Volts (Auto resetting)
Remote Turn-on Applied Voltage Range	5 to 30 volts DC
Remote Turn-on Current Draw	Contact Closure: 1.0 mA 5 V DC Applied Voltage: 0.1 mA 12 V DC Applied Voltage: 0.5 mA 24 V DC Applied Voltage: 2.0 mA
Auxiliary Relay Contact Rating	30 Volts at 1 Amp
LED Output	12 Volts DC, 10mA (Resistor included)
Delay Time Per Bank	2, 5, 10, 15, 20 seconds (switchable)
Dimensions	4.5cm H x 48.3cm W x 26.7cm D [Single Rack] 1.75” H x 19” W x 10.5” D
Weight	5.9Kg (13 lbs)
Temperature Range	5C to 35C
Humidity Range	5% to 95% R.H. Non-condensing

*1.2 x 50 µs pulse, industry standard combination wave surge, as per IEEE C62.41

CAUTION: Do not install this device if there is not at least 10 meters (30 feet) or more between the electrical outlet and the electrical service panel.