Serial AC Power Sequencer 90-200

- Provides Controlled Start Up Of Test Systems
- Supports Up To 8 Instruments
- Settable Timing Interval And Sequence
- RS232 Control Interface
- Provides Functional Stop Facility
- 3 Year Warranty

If you have ever read the term “programmable except for the supply on/off switch” the 90-200 can provide this capability in a system with the added benefit of an easy to use RS232 serial interface. The 90-200 is a power sequencer that provides a means of remotely controlling the power status of up to 8 instruments.

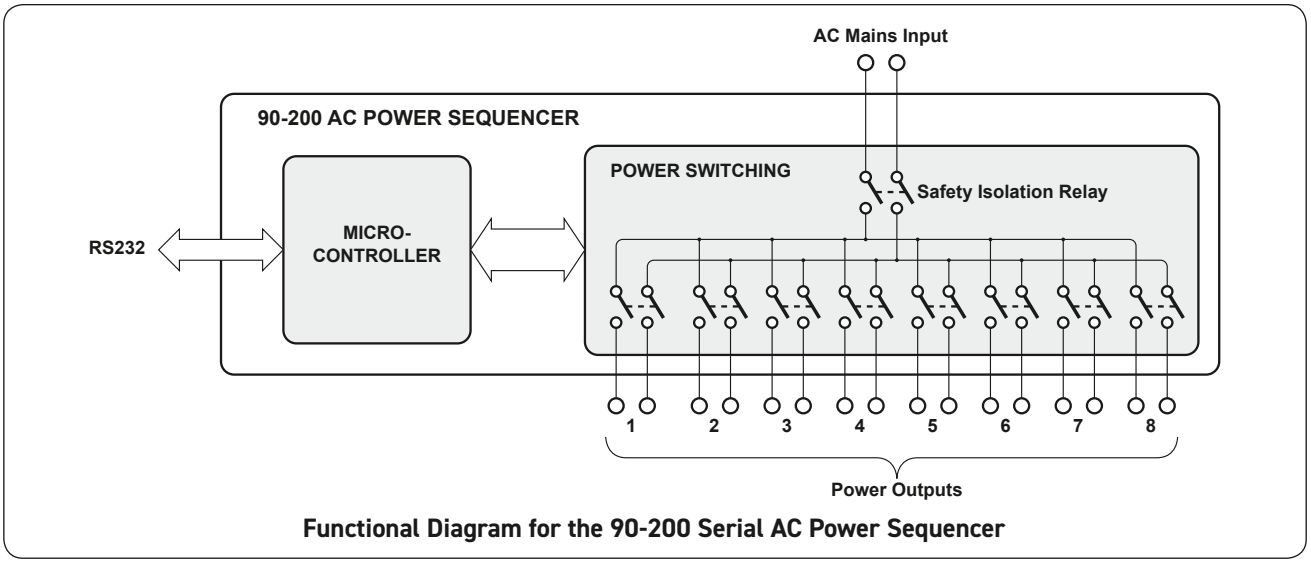
Each power outlet can be programmed to switched on in sequence with a specific timing delay. The delay can be staggered to ensure that order dependent systems - like PXI - can be switched on and off in an orderly way with just one operation. A staggered start up also limits the inrush current associated with the powering up of equipment, including earth current inrush, placing less stress on cabling and leakage breakers. Power on or off instructions can be initiated from either the front panel switch or via the serial interface.

By using switching devices with high inrush current ratings, the 90-200 is designed to tolerate equipment that includes EMC power filters.

Control of the 90-200 is through text based commands via an RS232 interface. Sequences can be stored for use without an RS232 connection being present.

The 90-200 is supplied in a compact 1U high, rack width case with standard power outlet sockets mounted on the rear panel.

Rear Mounted Power Outputs



Functional Diagram for the 90-200 Serial AC Power Sequencer

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Specifications

Power Connections	
No. of power inlets:	1, male IEC connector
Power inlet current:	10A
No. of power outlets:	8, female IEC connectors
Outlet current rating:	6A maximum per channel, 10A maximum total current for all channels.
Switch Ratings	
Switch configuration:	DPST each outlet
Electrical life:	100,000 operations of a load incorporating EMC filters on its AC input.
Sequencing Control	
ON/OFF initiation:	From front panel switch or remotely via an RS232 serial link.
Timing:	Output delays can be set from 0 to 60 seconds for each outlet, set via RS232 interface. Timing sequence is stored in non-volatile memory once set.
Functional shutdown:	Connector on front panel can be used to connect directly to a remote functional shut down switch. Switch action is immediate on all outlets.
Remote Control	
RS232 Port:	9600 Baud 8 Data Bits No Parity 1 Stop Bit No Flow Control
Connector:	9-Way D-type male connector mounted on rear panel.

General Characteristics

Power Source:	Universal AC mains supply, 90 to 264VAC, 50/60 Hz.
Rack Mounting:	Supplied with front panel ears to enable rack mounting on a shelf or other rear support mechanism.
Dimensions:	Full 19” rack width, 1U high, 340mm depth. Weight: 5Kg.
Cooling:	Fan assisted, side entry, rear exhaust.

Mechanical Characteristics

3D models for all versions in a variety of popular file formats are available on request.

Operating/Storage Conditions

Operating Conditions

Operating Temperature:	0°C to +55°C
Humidity:	Up to 95% non-condensing
Altitude:	4000m

Storage and Transport Conditions

Storage Temperature:	-20°C to +75°C
Humidity:	Up to 95% non-condensing
Altitude:	15000m

Safety & CE Compliance

All modules are fully CE compliant and meet applicable EU directives: Low-voltage safety EN61010-1:2001, EMC Immunity EN61000-6-1:2001, Emissions EN55011:1998.

Product Order Codes

Serial AC Power Sequencer	**90-200-001**

Product Customization

Pickering modules are designed and manufactured on our own flexible manufacturing lines, giving complete product control and enabling simple customization to meet very specific requirements.

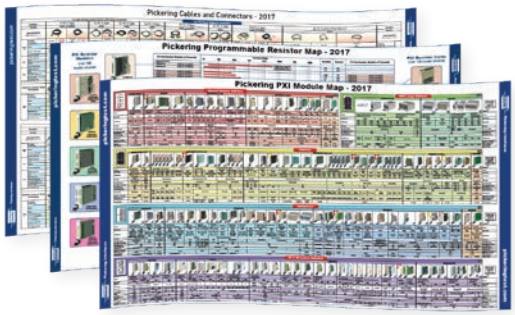
All customized products are given a unique part number, fully documented and may be ordered at any time in the future. Please contact your local sales office to discuss.

Three Year Warranty

All standard products manufactured by Pickering Interfaces are warranted against defective materials and workmanship for a period of three years from the date of delivery to the original purchaser. Extended warranty and service agreements are available for all our modules and systems with various levels to suit your requirements. Although we offer a 3-year warranty as standard, we also include guaranteed long-term support—with a history of supporting our products for typically 15-20 years. To learn more, please go to: pickeringtest.com/support

Available Product Resources

We have a large library of product resources including success stories, product and support videos, articles, as well as complete product catalogs and product reference maps to assist when looking for the switching, simulation and cable and connector solutions you need. We have also published handy reference books for the PXI and LXI standards.



To view, download or request any of our product resources, please visit: pickeringtest.com/resources

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