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700 Series

700R
Controller Module

Features

- Designed for manual and GPIB/IEEE-488 remote operation of all RIFOCS 700 Series modules
- Compatible with most RIFOCS 600 Series modules
- Powers up to 126 modules
- Large, backlit LCD display summarizes measurement and operational information
- Simple, intuitive front panel controls
- Flash memory for firmware upgrades
- Operates on 100 to 240VAC, 50 to 60Hz input power
- Keyed power switch



Key Specifications

Remote control	IEEE-488.2 compatible
Addressable modules	126
Power requirements	100 to 240VAC, 50 to 60Hz
Output to system bus	+5VDC, 10 amps -5VDC, 2 amps +12VDC, 2 amps -12VDC, 1 amp +24VDC, 2 amps
Module width	2.5 slots in 700 Series rack

Applications

Manual and Remote System Operation

The 700R controller module is the foundation for all RIFOCS 700 Series turnkey and custom fiber optic test and measurement systems, and carries-on the well-earned reputation for quality and versatility of the 600 Series instruments.

A single 700R controller can power and manage communications for up to 126 rack-mounted instruments, including tunable and fixed-wavelength laser sources, LED sources, optical power meter modules, return loss modules, discontinuity meters, and variable attenuators.

During manual operation, the large, backlit, multi-functional LCD display of the 700R controller summarizes measurement data and parameters from the instruments in use. Six ergonomically designed keys on the front panel of the unit control the entire rack system, permitting the user to toggle between modules, enter measurement parameters, and switch operation modes.

An integral GPIB/IEEE-488 interface enables instruments powered by the 700R controller to be operated from a remote terminal, or automated using ***fiber***WORKS™ test and measurement software by RIFOCS Corp. By automating complex and tedious measurements, the 700R controller and ***fiber***WORKS™ applications reduce the occurrence of errors and dramatically increase the speed and efficiency of tasks on the production floor.

RIFOCS Corporation
Fiber Optic Instruments & Components

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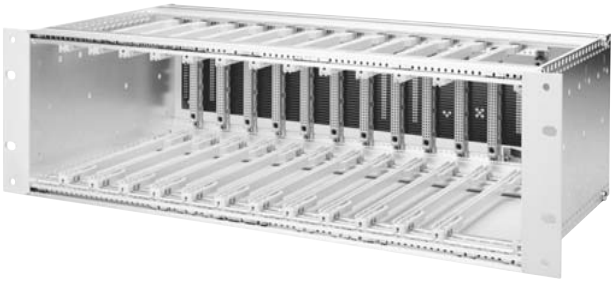
700 Series

700R
Controller Module

Ordering Information

The 700R controller module must be installed with other instruments in a RIFOCS 700 Series rack or enclosure. Racks and enclosures are available in full (19-inch) and half (8.5-inch) widths. Standard rack and enclosure configurations are listed below. Tower units are also available. Contact RIFOCS Corp. for details.

Part No.	Description
700R	700R controller module
701R-19	Full-width rack insert
702R-8.5	Half-width enclosure
702R-19	Full-width enclosure
702R2-19	Double enclosure, full-width
702R3-19	Triple enclosure, full-width
703R-8.5	Half-width enclosure, shielded and cooled
703R-19	Full-width enclosure, shielded and cooled
703R2-19	Double enclosure, full-width, shielded and cooled
703R3-19	Triple enclosure, full-width, shielded and cooled



A full-width enclosure or rack (shown above) holds one 700R controller and 11 single-slot instruments. The half-width enclosure holds one 700R controller and four single-slot instruments. Please consult the “700R Series Racks and Enclosures” datasheet for detailed information.

Specifications

Subject to change without notice

Display	Multi-function backlit LCD
Display illumination	Blue-green electroluminescent
Remote control	GPIB/IEEE-488.2 compatible
Max. addressable modules	126
Input voltage	100 to 240VAC, 50 to 60Hz
Input fuse	250VAC, 2 amps, slow-blow
Output to system bus	+5VDC, 10 amps -5VDC, 2 amps +12VDC, 2 amps -12VDC, 1 amp +24VDC, 2 amps
Operating temperature	+0°C to +55°C
Storage temperature	-40°C to +70°C
Humidity	0 to 90% RH, non-condensing
Dimensions:	12.7 x 6.6 x 22.86cm (5 x 2.6 x 9 in.), 2.5 slots in RIFOCS 700 Series rack

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ISO 9001

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