PRODUCT LIST

PR-6 Non-expandable

Model	Power	Inputs	Outputs						
PR-6AC-R	**110-240V AC**	**4**	**2 Relay (10A)**	No HSI	No HSO	No LCD	Memory 64 Blocks	No Expansion	No Built-in Ports
PR-6DC-DA-R	**12-24V DC**	**4 (4 analog - 0-10V)**	**2 Relay (10A)**	No HSI	No HSO	No LCD	Memory 64 Blocks	No Expansion	No Built-in Ports

*HSI - High Speed Inputs *HSO - High Speed Outputs

PR-12 Non-expandable

Model	Power	Inputs	Outputs						
PR-12AC-R-E	**110-240V AC**	**8**	**4 Relay (10A)**	No HSI	No HSO	No LCD	Memory 64 Blocks	No Expansion	No Built-in Ports
PR-12DC-DA-R-E	**12-24V DC**	**8 (4 analog - 0-10V)**	**4 Relay (10A)**	No HSI	No HSO	No LCD	Memory 64 Blocks	No Expansion	No Built-in Ports
PR-12AC-R	**110-240V AC**	**8**	**4 Relay (10A)**	No HSI	No HSO	LCD	Memory 512 Blocks	No Expansion	No Built-in Ports
PR-12DC-DA-R	**12-24V DC**	**8 (4 analog - 0-10V)**	**4 Relay (10A)**	4x60kHz HSI	No HSO	LCD	Memory 512 Blocks	No Expansion	No Built-in Ports
PR-12DC-DA-TN	**12-24V DC**	**8 (4 analog - 0-10V)**	**4 Transistor PNP**	4x60kHz HSI	4x10kHz HSO	LCD	Memory 512 Blocks	No Expansion	No Built-in Ports

*HSI - High Speed Inputs *HSO - High Speed Outputs

PR-14 and PR-18 Expandable

Model	Power	Inputs	Outputs						
PR-14AC-R	**110-240V AC**	**10**	**4 Relay (10A)**	No HSI	No HSO	LCD	Memory 512 Blocks	Up to 16 Modules	Built-in RS485
PR-14DC-DA-R	**12-24V DC**	**10 (6 analog - 0-10V)**	**4 Relay (10A)**	4x60kHz HSI	No HSO	LCD	Memory 512 Blocks	Up to 16 Modules	Built-in RS485
PR-18AC-R	**110-240V AC**	**12**	**6 Relay (10A)**	No HSI	No HSO	LCD	Memory 1024 Blocks	Up to 16 Modules	No Built-in Ports
PR-18DC-DA-R	**12-24V DC**	**12 (6 analog - 0-10V)**	**6 Relay (10A)**	4x60kHz HSI	No HSO	LCD	Memory 1024 Blocks	Up to 16 Modules	No Built-in Ports
PR-18DC-DA-RT	**12-24V DC**	**12 (6 analog - 0-10V)**	**4 Relay (10A) + 2 Transistor**	4x60kHz HSI	2x10kHz HSO	LCD	Memory 1024 Blocks	Up to 16 Modules	No Built-in Ports

*HSI - High Speed Inputs *HSO - High Speed Outputs

PR-24 Expandable

Model	Power	Inputs	Outputs						
PR-24AC-R	**110-240V AC**	**14**	**10 Relay (10A)**	No HSI	No HSO	LCD	Memory 1024 Blocks	Up to 16 Modules	Built-in RS485
PR-24DC-DA-R	**12-24V DC**	**14 (6 analog - 0-10V)**	**10 Relay (10A)**	4x60kHz HSI	No HSO	LCD	Memory 1024 Blocks	Up to 16 Modules	Built-in RS485
PR-24DC-DAI-RTA	**12-24V DC**	**12 (6 analog - 0-10V) + 2 analog 0-20mA**	**6 Relay (10A) + 2 Transistor + 1 Analog**	4x60kHz HSI	2x10kHz HSO	LCD	Memory 1024 Blocks	Up to 16 Modules	Built-in RS485

*HSI - High Speed Inputs *HSO - High Speed Outputs

Extension Modules

PR-E-16AC-R	8 digital inputs and 8 Relay Outputs (4x3A + 4x10A)
PR-E-AC-IN	16 digital inputs
PR-E-AC-DO	16 Relay Outputs (15x3A + 1x10A)
PR-E-AI -V/I	4 analog inputs (0/4-20mA or 0-10V)
PR-E-PT100	3 analog inputs (thermoresistor PT100)
PR-E-AQ-VI	2 analog outputs (0-10V/0-20mA)
PR-E-DC-IN	16 digital (4 analog - 0-10V) inputs
PR-E-DC-DO	16 Relay Outputs (15x3A + 1x10A)
PR-E-16DC-DA-R	8 digital (4 analog - 0-10V) inputs and 8 Relay Outputs (4x3A + 4x10A)
PR-E-16DC-DA-TN	8 digital (4 analog - 0-10V) inputs and 8 Transistor Outputs
PR-RS485	Additional RS485 Port

Accessories

PR-COPIER	PR-COPIER can be used to save user program and download program into CPUs.
PR-BATTERY	Battery for RTC (backup 3 years)
PR-MEMORY	For Data Logging on a microSD Card
PRO-RS485	Converter Universal Port -> RS485 Port
RS232 Cable	Cable RS232 -> micro PLC. RS232 Cable can also be used as connection cable between Micro PLC and Modbus devices
USB Cable	Cable USB -> micro PLC

Service and Customer Support

Our customers can count on Rievtech support throughout the service life of every product:

- Technical Support
- On-Site Support
- Tutorial Materials
- Local Support (Application Expertise)
- R&D Support

International Acceptance

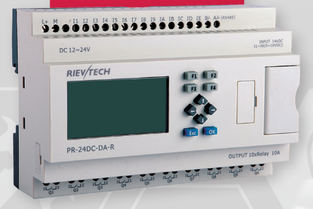
CE RoHS · cUL · ISO 9001:2008 SGS · UKAS QUALITY MANAGEMENT 005 · REACH COMPLIANCE

RIEVTECH

Advanced Control • Simple Maintenance • Reliable • Economical

MICRO PLC PR SERIES

PR-24 Series



PR-14 Series
PR-18 Series



PR-12 Series



PR-6 Series



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CUSTOMER MARKETS AND APPLICATIONS

Building Automation
Smart Home, Data Center, Hotels, Hypermarket, Offices, Residential, Shopping centers, Greenhouses, Warehouses, Breeding complexes

Process Automation
Agricultural and Food Industry, Printing and paper industry, Material Handling Industries, Textile industry, Water & Wastewater Treatment, Forming Technology/Sheet Metal Working

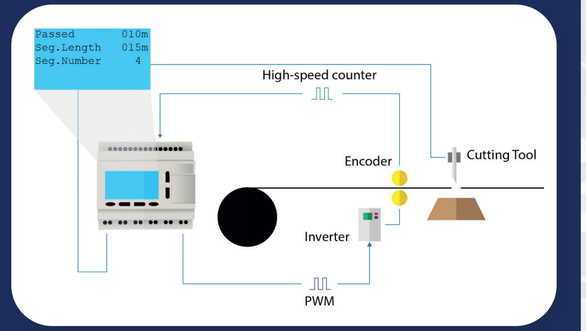
Machine Automation
Vending machines, Woodworking Machines, Plastic Machines, Machine Tools, Window Production Machines, Washing Machines, Test facilities

Smart Energy
Wind Turbine, Solar energy, Heat pumps, Heaters, Power generators



ADVANCED CONTROL

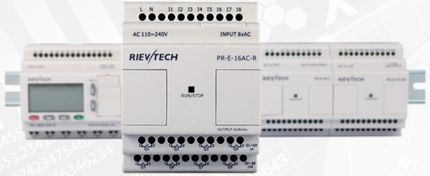
- Over 80 ready-to-use configurable logic functions and built-in Real Time Clock with Backup.
- Extremely large program capacity (up to 1024 function blocks are possible in a program) allows for easy programming without a concern for program size.
- Analog control of up to 72 input and up to 32 output channels enables multi-channel control at low cost.
- Temperature control at a high total accuracy ±0.5°C with thermistor inputs.
- High-speed counting (up to 60 kHz), frequency trigger, high-speed output (up to 10 kHz), and PWM output functions are integrated in a single CPU.
- Enhanced visibility on the display with high contrast, back lit LCD screen and convenient using by control buttons.



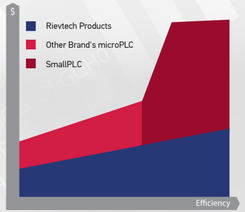
▲ Application Example: Control high-speed counter, positioning and I/O with one unit.

BENEFITS:

Expandable
- Up to 280 control I/O (142DI, 138DO, 72AI and 32AO) is achieved with a wide variety of combinations of expansion modules.
- AC powered expansion modules can be connected to DC powered CPU's and vice versa.



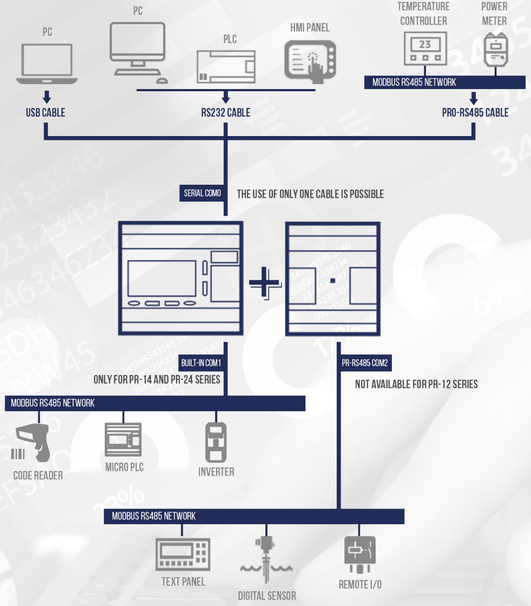
▲ Up to 16 modules can be expanded.



Cost Effective
- PR-Series provide high cost performance to further reduce costs by allowing you to select the optimal CPU for your needs.
- Either in comparison with similar devices of other brands or with more performance type of PLC the RievTech products are always much more cost effective.

Reliable
- Wide operating temperature range of –20° to +55°C
- CE, UL compliance for Low Voltage and EMC directives make MicroPLCs products to trust.
- Used components from leading manufacturers.
- 18 months warranty

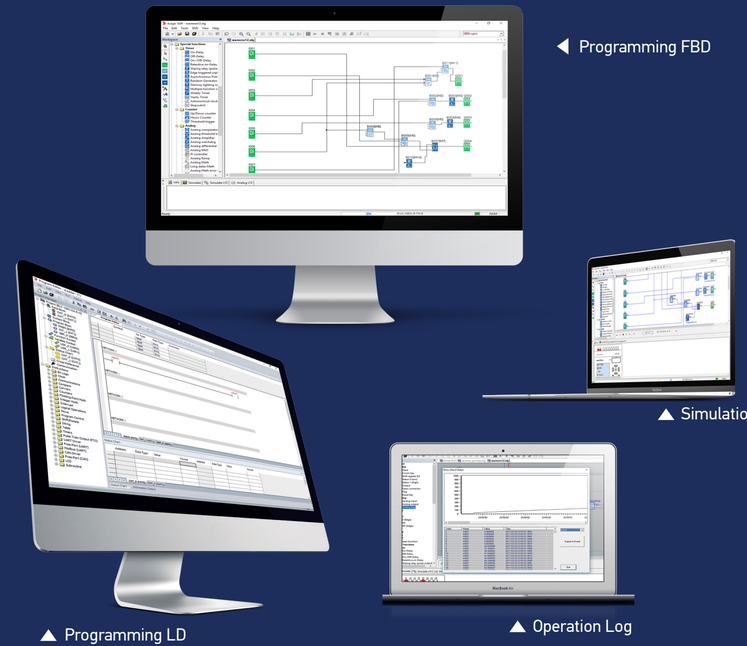
Flexible
- Up to 3 general-purpose serial communication ports can be used at once.
- Links up to 32 PLC units or other external devices contributing to higher design flexibility.
- Compatible with most widely used communication protocol in industrial automation field – Modbus RTU/ACSII (Both Modbus Master and Slave mode).
- Even economical models (PR-6 and PR-12-E) can be easily connected to a RS485 bus or to a PLC, HMI or other devices via the RS232 port.



▲ Communication Configuration

XLOGICSOFT – FREE OF CHARGE SOFTWARE

Complex development environment in accordance with IEC 61131 for highly demanding applications.
The key to any good software is that it is simple to use. xLogicSoft software have achived this by using intuitive design.



◀ Programming FBD

▲ Simulation

▲ Programming LD

▲ Operation Log

SOFT FEATURES:

xLogicSoft supports three IEC 61131 languages
- Ladder diagram (LD)
- Function block diagram (FBD)
- Structured Control Language (STL)

- User-friendly and ergonomic. Groups of blocks for different purposes have different color theme during creating function block diagrams. And also input contacts of the blocks are visually easily distinguishable.
- To simplify debugging and testing programs is available emulation mode on your PC. To make and to test the program can be not having at hand a microPLC.
- Programs are copy-protected by the upload/download restriction setting.
- For quick information about the opportunities and settings function blocks integrated in the program convenient help system.
- Software available in 8 languages: English, French, Russian, German, Spanish, Chinese, Poland, Czech.