

PRODUCT LIST



SR-12 Base Unit (With Ethernet access)

Model	Power	Inputs	Outputs
SR-12AC-R	110-240V AC	8 DI	4 Relay (10A)
SR-12DC-DA-R	12-24V DC / 24V AC	4 DI/AI(0...10V) + 4DI	4 Relay (10A)

* The **SR-12 Series** base unit contains 12 I/O, and links up to 3 expansion devices to reach 60 I/O points.

Extension Modules



SR-E-8AC-R	4 digital inputs + 4 Relay Outputs (2x3A + 2x10A)
SR-E-2AI-V/I	2 AI(0~20mA/0~10V) (Software switch) Resolution: 0.02mA / 0.01V; Accuracy: ±0.1mA/±0.1V
SR-E-2PT100	2 PT100, 0.3°(10bits), temp range: -50°C- 200°C
SR-E-1AQ-V/I	1 AQ(0~20mA/0~10V)(Software switch) Resolution: 0.02mA / 0.01V
SR-E-8DC-DA-R	4 digital (4 analog - 0~10V) inputs + 4 Relay Outputs (2x3A + 2x10A)
SR-RS485	RS485 Modbus-RTU protocol communication unit

* PR-E series extensions shall be compatible with the SR-12 series base units as well.

General characteristics

- RTC Clock
- Shift function
- Boolean logic blocks
- Optional RS485 port
- Weekly/Yearly Times
- Hours Counter
- PI function
- Multiplexer
- Analog ramp
- Addition-Subtraction on variables
- Multiplication-Division on variables
- Comparator on variables
- Register transfer (numerical variables and status)
- HMI display for parameter viewing and programming

Operational characteristics

- Operating temperature: -20 ~ +55°C
- Storage temperature: -40 ~ +70°C
- Mounting: On 35 mm standard mounting rail, 4 MW, or wall-mounting
- Type of terminal: Screw(1 conductor: 0.25 to 2.5 mm² (AWG 24 ~AWG 14)
- IEC degree of protection: IP20

No.10 building ,1111 Fuying Road, JiangNing District, Nanjing, Jiangsu, China, Zip Code: 211122

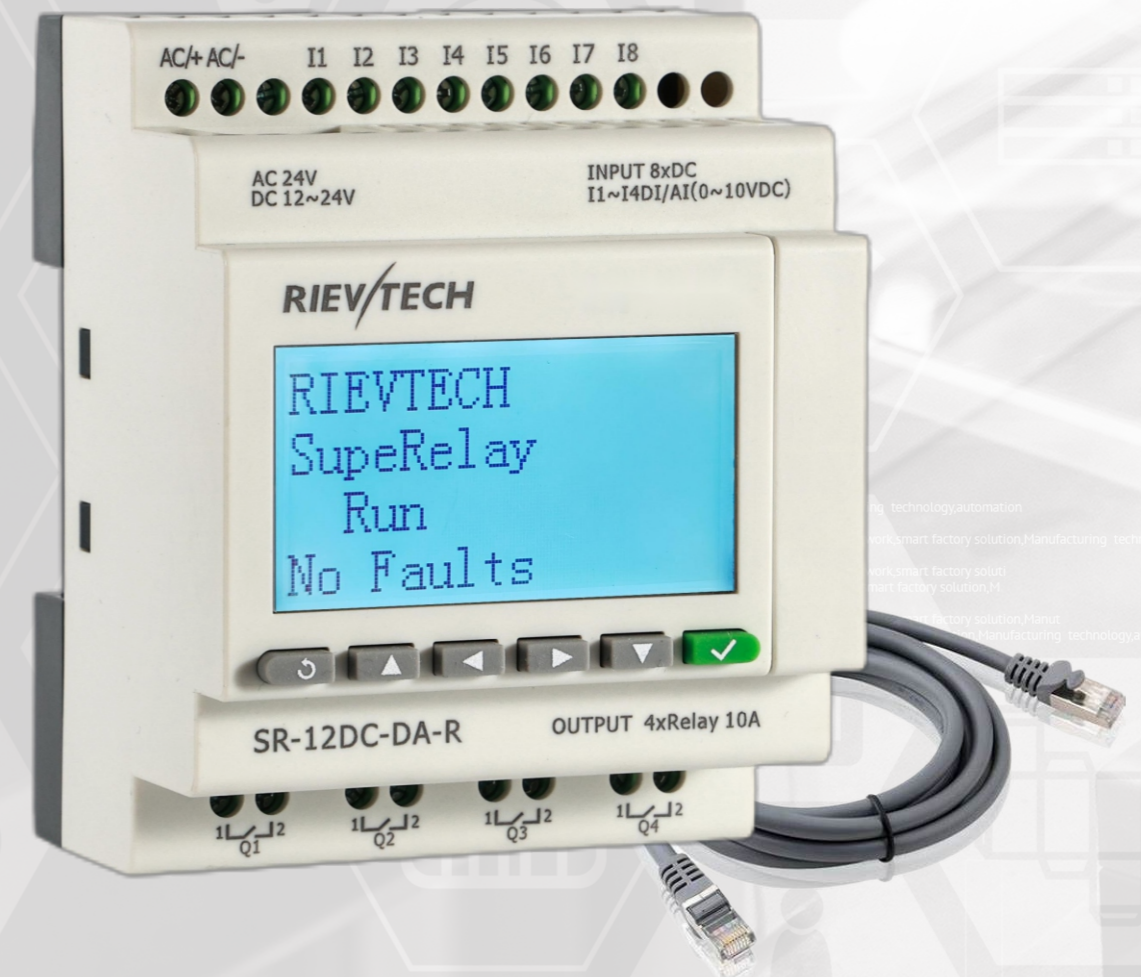
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RIEV/TECH

Advanced Control • Simple Maintenance • Reliable • Economical

Nano PLC



The **SR-12 Series** is the world's leading **Nano PLC** with exceptional performances and wide applications.

It perfectly fits in the space between those individual components and a PLC and provides the added connectivity of Ethernet networking, also speaking Modbus RTU& ASCII, Modbus TCP protocol and communicating via Modbus in either a Master or a Slave architecture.



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, Automatic Irrigation, Pump Control, 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

Examine your system with ease

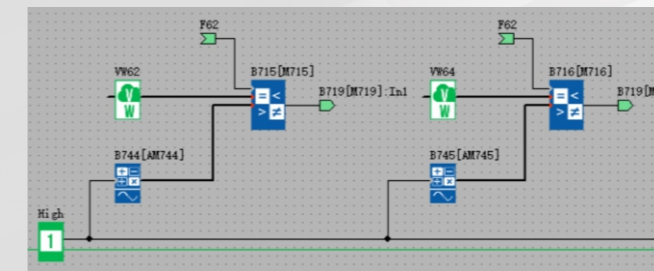
SR-12 Series' LCD can kindly furnish our customers with HMI operator panel's features as a value-added solution, and through such integrated LCD, the values of both PLC inner registers and relay status can be monitored or modified with the rubber keypad. This enables the functioning of machinery and equipment to be easy and direct. HmiEditor soft permits to make dedicated screens by taking advantage of the graphic display to view bitmaps, bar graphs, and trend lines.

Use the display on the base device for convenient visualization on site, backlight 128x64 pixel graphic LCD.

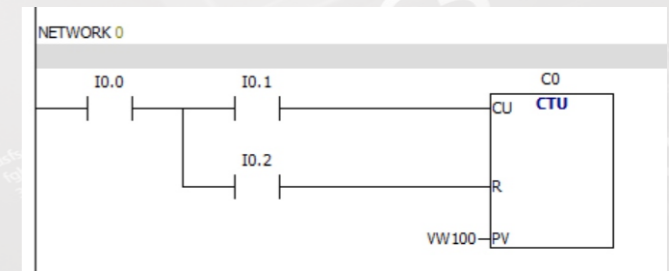
<p>Write numerical values</p> <p>Static text</p>	<p>Read numerical values</p> <p>Dynamic text</p>	<p>Read status</p> <p>Display bar graphs and trend lines</p>	<p>Images</p>
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Programming Language

FBD (function blocks)

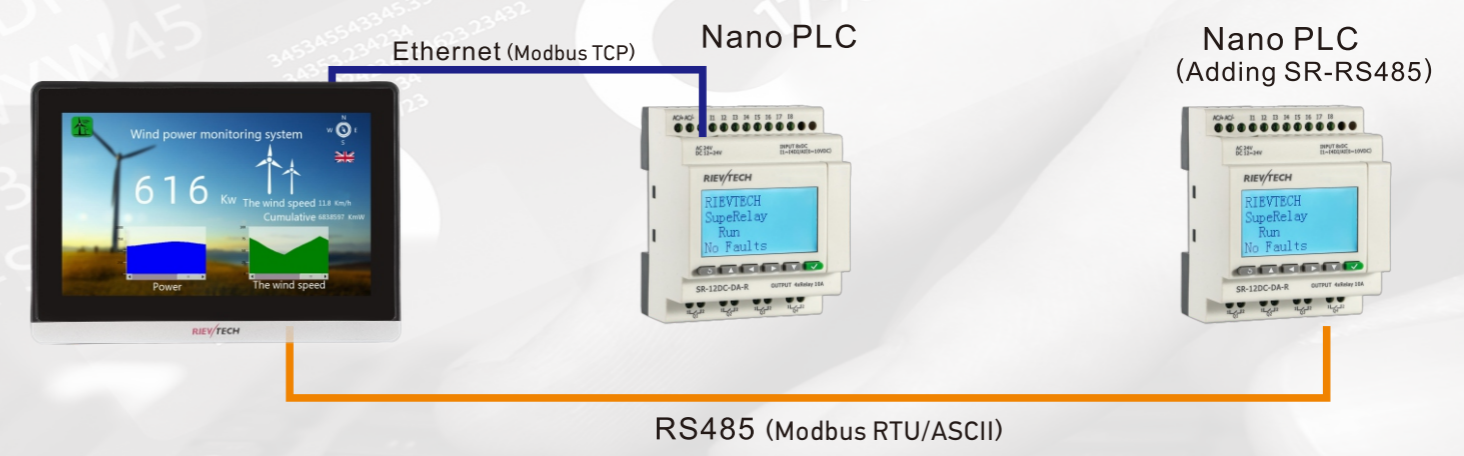


LADDER (contact scheme)



Communication Modes

SR-12 supports the Modbus RTU protocol and can be connected to devices through Ethernet and RS485 communication ports.



Ethernet (Modbus TCP) Nano PLC Nano PLC (Adding SR-RS485) RS485 (Modbus RTU/ASCII)