

# Programmable Logic Controllers Features

Sold & Serviced By:  
 **ELECTROMATE**

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## Intelligent

- 32-bit RISC processor for fast handling of I/O and logic.
- EEPROM memory for non-volatile program storage.
- Multitasking for simultaneous execution of multiple programs.
- Variables, arrays, conditionals, arithmetic and logical operators.
- Counters and timers.
- PID process control loops.
- Web interface and email capability.
- RS232 and Ethernet 10/100Base-T ports.
- ModBus/TCP master or slave.
- Easy to program with Galil's Ladder Interface Software or intuitive command language.

**RIO Pocket PLC**  
*Intelligent, Compact, Low Cost, Remote I/O*

## Compact

- Metal Enclosure or DIN tray.
- Available with D-type or screw terminals.
- Available with mating ICS boards for screw-terminal connections.
- Powered by Power-over-Ethernet (PoE) or external 18-36 VDC.
- LED indicators for all digital I/O points.

## Packed with I/O

- Analog inputs, user-configurable for: 0–10V, 0–5V, +/- 5V, +/-10V 12-bit or 16-bit ADC.
- Analog outputs, user-configurable for: 0–10V, 0–5V, +/- 5V, +/-10V 12-bit or 16-bit DAC.
- Optically isolated digital inputs, 5-24 VDC.
- Thermocouple and RTD options.
- Position sensor option.

*Dedicated applications engineers*



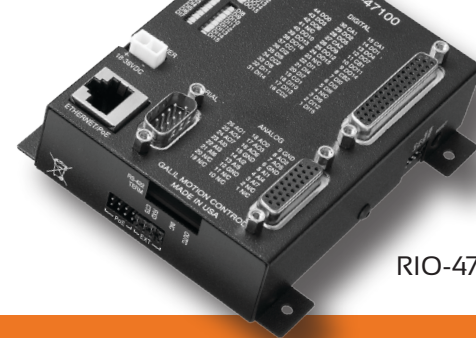
*delivering world-class support.*



RIO-47300



RIO-47142



RIO-47100

## RIO-47xxx Models

Model	Description
RIO-47100	PLC with 0-5V analog, 12 bit ADC/DAC
RIO-47120	PLC with +/-10V, +/-5V, 0-5/10V analog, 12 bit
RIO-4712x-16	RIO-4712x with 16-bit ADC/DAC
RIO-471x2	RIO-47100/47120 expanded memory option
RIO-47142	PLC with two ethernet ports, expanded memory
RIO-47142-16	RIO-47142 with 16-bit ADC/DAC
RIO-47200	PLC with screw terminals/DIN, 5V analog in
RIO-47202	RIO-47200 with expanded memory/DIN
RIO-47300	PLC with screw terminals, 48 I/O/DIN
RIO-47300-16	RIO-47300 with 16-bit ADC/DAC/DIN

## RIO Model Comparison

Feature	47100	47120	47102	47122	47142	47200	47202	47300
# of Ethernet Ports	1	1	1	1	2	1	1	2
Power-over-Ethernet (PoE)	Yes	Yes	Yes	Yes	No	Yes	Yes	No
# of RS232 ports	1	1	1	1	1	1	1	1
Expanded Memory	No	No	Yes	Yes	Yes	No	Yes	Yes
Digital Inputs Optoisolated	16	16	16	16	16	16	16	24
25mA Digital Outputs Optoisolated	8	8	8	8	0	0	0	0
500mA Digital Outputs Optoisolated	8	8	8	8	16	16	16	24
Analog Inputs	8	8	8	8	8	8	8	8
Unipolar/Bipolar*	unipolar	bipolar	unipolar	bipolar	bipolar	unipolar**	unipolar**	bipolar
Analog Outputs	8	8	8	8	8	SCB-48608 required	SCB-48608 required	8
Unipolar/Bipolar	unipolar	bipolar	unipolar	bipolar	bipolar			bipolar
16-bit ADC/DAC Option	No	Yes	No	Yes	Yes	Yes	Yes	Yes
Position Sensor Option	No	No	No	Yes	Yes	No	No	Yes
BOX D-type Connectors	Yes	Yes	Yes	Yes	Yes	No	No	No
DIN Tray Screw Terminals	No	No	No	No	No	Yes	Yes	Yes
Measurements	3.88" x 4.26" x 1.30"	3.88" x 4.26" x 1.30"	3.88" x 4.26" x 1.30"	3.88" x 4.26" x 1.30"	3.88" x 4.26" x 1.30"	7.19" x 3.52"	7.19" x 3.52"	7.19" x 4.7"

\*Unipolar: 0-5V; Bipolar: +/- 10V, +/- 5V, 0-10V, 0-5V

\*\*Optional bipolar configuration



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