

The INTEG **JNIOR Model 312** is ideal for situations where you need **MORE** relay outputs and **LESS** digital inputs. The Model 312 is fully compatible with the Model 310 and has all the same functionality and works with all the same applications.

KEY FEATURES of the JNIOR MODEL 312

- 12 Relay Outputs
- Outputs 9 and 10 are each user configurable as a normally open OR normally closed contact
- Fully Compatible with all applications and communication methods used with the Model 310



General

Dimensions 6 x 4 x 1.2 in. (152 x 102 x 31 mm)
 Weight 11 ounces (312 grams)
 Power Supply 9 to 24 Volts DC or AC

Ethernet Port

Connection 10/100 Auto-Negotiate, Full Duplex

Digital Inputs

Quantity – 4

Voltage Range 0 – 30 Volts DC or AC
 Logic Low Input 0 to 1 Volt
 Logic High Input 2 to 30 Volts
 Input Resistance 1.2 K ohm nominal
 Isolation Optically Isolated
 Common Independent 'Negative' (Common) Wiring
 Counter Capability 2 KHz Max each input
 Functions Latching Capability
 Response Time 1 millisecond

Relay Outputs

Quantity – 12

Voltage Range 0 – 30 Volts DC or AC
 Type 10 are SPST, Form A, 1 Normally Open
2 are SPDT, Form C, Jumper Configurable as NO or NC
 Contact Ratings 1 Amp @ 24 Volts DC/AC
 Pulse Duration Configurable as fast as 1 ms

Serial Port

RS232

Communication Up to 115k, Configurable
 Connection DB9 female
 Signals TX, RX, GND

AUX Serial Port

RS232. RS422, RS485

Communication Up to 115k, Configurable
 Connection DB9 female
 Signals CTS, RTS, TX, RX, GND

ORDERING INFORMATION

Item	Catalog No.	Notes
JNIOR Model 312	JNR-200-003B	Main Unit
Power Supply	PSA-120-125	Optional
DIN RAIL Adapter	DIN-300-001	Optional

Expansion

One 4 Relay Output Expansion Module or Up to 2 modules when using analog expansion modules (per JNIOR)
 Custom Cable Length up to 50 feet

Environment

Operating Temp -15°F to 160°F (-25°C to 70°C)
 Storage Temp -40°F to 185°F (-40°C to 85°C)
 Humidity 5 to 95% Non-Condensing

Installation

Wiring 2-piece connectors for wiring
 Mounting Tabs (DIN-rail adapter available)

Warranty

2 years