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

- **Communication**: RS232
- **Connection**: Up to 115k, Configurable
- **Signals**: TX, RX, GND

### AUX Serial Port

- **Communication**: RS232, RS422, RS485
- **Connection**: Up to 115k, Configurable
- **Signals**: CTS, RTS, TX, RX, GND

### Ordering Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>JNIOR Model 312</td>
<td>JNR-200-003B</td>
<td>Main Unit</td>
</tr>
<tr>
<td>Power Supply</td>
<td>PSA-120-125</td>
<td>Optional</td>
</tr>
<tr>
<td>DIN RAIL Adapter</td>
<td>DIN-300-001</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### 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