## JNIOR Model 412DMX

### Catalog Number
- JNR-200-004D

### Optically Isolated Digital Inputs
- 4 Optically Isolated Digital Inputs
- 0 to 60 Volts DC or AC at 2 amps

### Counters
- Inputs Double as Counters; Up to 2 kHz each; 32-Bit Counter Value; Power Fail Counter Value Storage

### Relay Outputs
- 12 Relay Outputs
- 0 to 60 Volts DC or AC at 2 amps (Contact Ratings)

### Relay Output Configurations
- 8 Relays have a Normally Open Contact
- 4 Relays (No. 1, 2, 9, 10) are Configurable as Normally Open or Normally Closed Contact
- High Voltage (120/240 VAC at 10 amps) Relay Outputs available via 4 Relay Expansion Module

### CPU / Operating System
- 32-bit Microprocessor / JANOS—A Preemptive Multitasking Operating System (by INTEG)

### Device Power
- 12 to 24 Volts DC or AC

### Memory
- 64 MB DRAM, 2MB Battery backed SRAM, 32 MB Flash

### Custom Applications
- Written in Java to run on JNIOR JVM. Execute as .JAR file for easy development

### Physical Size / Weight / Case
- 6 x 4 x 1.5 in. (152 x 102 x 38 mm) / 12 ounces (340 grams) / Flame Retardant ABS Plastic

### Analog Inputs / Analog Outputs
- Analog Input/Output Signals Available via Expansion I/O – Multiple Modules per JNIOR

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

### Serial Port (COM)
- 1- RS232 (COM: Command port & 2nd application use)

### DMX Port (DMX512)
- 1 - DMX 5-pin Output Port (allows for DMX control)

### Ethernet Port
- 1 - RJ45 (10/100 Mbps)

### Sensor Port
- 1 - Sensor Port for Expansion Modules and Sensors

### Connections / Mounting
- 2 Piece Connectors / Tabs with DIN Rail option

### Certification
- TUV for Safety, FCC Class A for Noise Immunity, CE Mark, RoHS Compliant

### Warranty
- 2 Years