Pre-Wired Prolon Dual M2000 Controller Panel (PL-PN2-M2-XXX-M2-XXX)

Description

The Prolon Dual M2000 Controller Panel is built with any two M2000 controllers of your choice. Mix or match controller programs (RTU, MUA, FLX, etc.) into a single pre-wired industrial control panel ready for quick deployment. The panel's compact design allows for multiple panels to be installed in your workspace and leaves your job with a clean, professional appearance. Save time with a complete unit solution that includes Isolation relays on all digital outputs, overcurrent fuse protection, and wire management channels inside the panel. Clearly marked terminal blocks allow for easy wiring to equipment and connection to other Prolon panels and controllers and UL listing gives you and your customer peace of mind.

Features

- Pre-wired industrial control panel equipped with clearly marked terminal blocks and fuses

- Maintains all functionality and flexibility of controllers including the ability to reflash into a different controller program (wiring diagrams available free at proloncontrols.com)

- Remote monitoring and configuration with FREE Prolon Focus software

- Stand-alone or networked (up to 127 nodes). Note: this panel will contain 2 nodes

- Controllers need not be related in function and may each be serving completely different sequences from separate power sources.

- Refer to individual M2000 controller Datasheets for specific controller functions (exact panel capabilities will vary depending on controller program selection)

- All digital outputs are isolated with relays that are built into the panel

- Onboard LEDs allows for quick diagnostics of power, communication, and operation

Technical Specifications

- **Supply (Each Controller)**: 24 VAC ±10%, 50/60 Hz, Class 2

- **Power (Each Controller)**: 5 VA (consumption), 40 VA (input)

- **Overcurrent Protection (Each Controller)**: Disconnect-Style Slo-Blo fuse (3A @ 250 VAC), with additional replacement fuse included

- **Inputs (Each Controller)**: 9 analog inputs configurable (thermistor / dry contact / 4-20mA / 0-5 VDC / 1-5 VDC) individually configurable for each input

- **Digital Outputs (Each Controller)**: 5 triac outputs, 24 VAC source, 300 mA max (resettable fuse). All digital outputs are isolated by relays in panel

- **Analog Output (Each Controller)**: 3 outputs 0-10 VDC / 2-10 VDC / 0-5 VDC / 1-5 VDC, 40 mA max (resettable fuse)

- **Indication lights (LED)(Each Controller)**: State of each output / Communication / Power / State of microprocessor

- **Casing**: Molded ABS, UL94-HB

- **Communication**: Modbus RTU (RS485) up to 127 nodes. Note: This panel contains 2 nodes

- **Baud Rates**: 9600, 19200, 38400, 57600, 76800, 115200

- **Connection**: Removable screw-type terminal blocks (max 16 AWG) and RJ45 modular jacks

- **Panel Dimensions**: 20.25" x 16.25" x 6.25" (514mm x 413mm x 159mm)

- **Weight**: 35 lbs (15.9 kg)

- **Environment**: -4 to 122 ºF (-20 to 50 ºC) non-Condensing

- **Certification**: UL916 Energy Management Equipment, CAN/CSA-C22.2, RoHS, FCC part 15: 2012 class B

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