



MODEL M5

AUTOMATIC CONFIGURATION

ADDRESSABLE RS-485 COMMUNICATION ALLOWS MULTIPLE MODULES TO BE DAISY CHAINED

PLUG-IN TERMINAL BLOCKS

SNAP TRACK OR DIN RAIL CARRIER MOUNTING

The Expansion Combo Smart I/O Module (M5) is a support module for the Micro-Comm Single Board and Micro series PLC's (M1650, M655 & M1600). The address switch block enables multiple modules to be used by a single PLC. The M5 module can speak multiple protocols over it's RS-485 port at the same time without any special configuration. The module uses dip switch settings for all mode and baud rate configuration and requires no custom on-site programming.

FEATURES:

- 4 Form C Relay Outputs
- 8 Optically Isolated Discrete Inputs
- 4 Analog Inputs, 0-20mA
- 1 Internal Analog Input, System Voltage
- 2 Analog Outputs, 0-20mA
- RS-485 Communications Channel
- 2 Internal TTL serial ports
- Modbus, Micro-Comm and DF1 Protocols

ORDER INFORMATION:

Part #: M5

Micro-Comm Automation has been providing process control solutions for more than 25 years.

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COMBO I/O MODULE

MICROCOMM

I/O

- 4 Form C Relay Outputs, 10A @ 250VAC General Use (10A @ 30VDC Resistive) B300 Pilot Duty, Relay contact to coil isolation 4000Vrms
- 8 Optically Isolated Discrete Inputs, Dry Contact or Open Collector to GND, Optically Isolated, 4mA Wetting Current, 12VDC Wetting Voltage 0-1000Hz, 50% duty cycle, contact closure or open collector to GND
- 4 Analog Inputs, 12bit, 0-20mA, 0.1% accuracy, 0.001%/degC temp. coefficient, +/- 24V over voltage on any one Analog Input
- 1 Additional On-Board Sensor Analog Input, 12bit System Voltage, 0-25.5V, 0.1% Accuracy
- 2 Analog Outputs, 0-20mA, 8 bit, 0.25% accuracy 900 ohm maximum loop resistance

DIMENSIONS

- Height 10.85"
- Width 3.08"
- Depth 1.42"
- Weight 0.63 kg / 1.39 lb

FIELD WIRING

- Use Copper Conductors Only, 60°C
- Wire Range, 12-26 AWG
- Wire Strip Length, 0.310"
- Recommended Tightening Torque, 0.79 N-m / 7.0 lb-in.

COMMUNICATIONS

- RS-485 4-wire, Pluggable Terminal Block, 9600 or 19200 baud

POWER SOURCE AND SUPPLIES

- Power Input 10.5-15VDC, 12VDC Nominal 0.5A, 8.0A Max with external loads
- Power Output 24Vdc, 20mA per Terminal
- Resistive Loads Only, DC Use
- Quiescent Current 70 mA @ 13.8Vdc
- Current with All Relays On 160 mA @ 13.8Vdc

ENVIRONMENT

- Temperature Range -40° to 50°C (-40° to 122°F) Surrounding Air Temperature
- For Use in Pollution Degree 2 Environment

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